February 1982

Summary of Accidents Investigated by the Federal Railroad Administration

Calendar Year 1980



U.S. Department of Transportation

Federal Railroad Administration

Office of Safety



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INTRODUCTION

The 1980 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 130 railroad accidents.

This summary provides the following information:

- o the railroad(s) involved
- o the location and time of the accident
- o the type of railroad accident
- o the method of operation and movements involved
- o the speed involved
- o the type and class of track
- o the number of casualties
- o the estimated cost of railroad damages
- o the probable cause and any contributing factor(s).

The railroad codes used in this summary can be found in the FRA Guide for Preparing Accident/Incident Reports, 1979, Appendix A.

Estimated railroad damage includes labor cost, and all other costs to repair or replace damaged on-track equipment, signals, track, track structures, or roadbed. The cost of lading and clearing the wreck, as well as the cost to society, is not included.

The data was edited and summarized by FRA personnel. The United States Government assumes no liability for its contents or use.

Federal Railroad Administration Office of Safety, RRS-32 400 Seventh Street, S. W. Washington, D. C. 20590

ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1980, the Federal Railroad Administration investigated and determined the probable cause of 130 railroad accidents.

			No •	PERCENT
2.	Туре	of Accident		
	(a)	Derailment	80	61.5
	(b)	Head-End Collision	9	6.9
	(c)	Rear-End Collision	21	16.2
	(d)	Side Collision	8	6.2
	(e)	Raking Collision	2	1.5
	(f)		1	.8
	(g)		7	5.4
	(h)	Obstruction	2	1.5
		Total	130	100.0
3.	Acci	dent Cause	No.	PERCENT
	(a)	Track Roadbed and Structure	30	23.1
'	(b)	Mechanical and Electrical		
		Failure	22	16.9
	(c)	<u>-</u>	58	44.6
,	(d)	Miscellaneous		15.4
	÷	Total	130	100.0
4.	Casu	alties	No.	
	(a)	Killed	34	•
	(b)	Injured	853	

TRACK CLASS		TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	·
1 2 3 4 5	17 13 34 53 11 2	\$1,551,811 \$3,454,927 \$11,036,111 \$25,056,074 \$4,082,987 \$101,000	\$1,351,130 \$3,255,250 \$9,694,303 \$23,181,839 \$3,863,561 \$83,000	\$200, \$199, \$1,341, \$1,874, \$219, \$18,	677 808 235 426
TOTAL	130	\$45,282,910	\$41,429,083	\$3,853,	827
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		i Taku Seleni. Hiziri Selenga Seleni Seleni	er er was	,	-
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iv

COLLI- SIONS	DERAIL- MENTS	OTHER ACCIDENT	TRACK	EQUIPMENT D FAILURE	HUMAN FACTORS	OTHER CAUSES
4 5 7 17 7	11 7 24 33 4	2 1 3 3 	5 2 11 9 3	1 2 6 12 1	7 8 11 24 7	4 1 6 8
41	80	- 9	30	22	58	20
				• •		•
		·				
en e		e seu e seu e s	* - *	A SAMERA NA		~ ;
		•	•			
		٠				
3	, , , , , , , , , , , , , , , , , , ,	V	}			

4.20

.....COLLISIONS.....

HUMAN FACTORS EQUIP TRACK OTHER

ALABAMA GREAT SOUTHERN RAILROAD				
ATLANTA AND ST. ANDREWS BAY RR CO	1			
AMTRAK	3			2
ATCHISON, TOPEKA AND SANTA FE RAILWAY	4		2	
ATLANTA AND WEST POINT RAILROAD COMPANY		2		
BOSTON AND MAINE CORPORATION	2			
BURLINGTON NORTHERN	3			
BALTIMORE AND OHIO RAILROAD	2			
BALTIMORE AND OHIO CHICAGO TERMINAL RR	1			
CHICAGO AND NORTH WESTERN TRANSPORTATION CO.	2			
CHESAPEAKE AND OHIO RAILWAY COMPANY				
CONSOLIDATED RAIL CORP.	12			2
CENTRAL VERMONT	2			
ELGIN, JOLIET AND EASTERN RAILWAY	1			
FLORIDA EAST COAST RAILWAY	`			2
GEORGIA RAILROAD				
ILLINOIS CENTRAL GULF RAILROAD	2			
KANSAS CITY SOUTHERN RAILWAY	2			
LOUISIANA AND ARKANSAS RAILWAY COMPANY				
LONG ISLAND RAILROAD	3			
LOUISVILLE AND NASHVILLE RAILROAD	5		1	
MAINE CENTRAL RAILROAD				
CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC	2			
MISSOURI-KANSAS-TEXAS RAILROAD	2			
MISSOURI PACIFIC RAILROAD	2			
NORFOLK AND WESTERN RAILWAY	6		1	
SEABOARD COAST LINE RAILROAD	1	1		
ST. LOUIS-SAN FRANCISCO RAILWAY				
SOUTHERN RAILWAY				
SOUTHERN PACIFIC TRANSPORTATION COMPANY	3			
TOLDEO, PEORIA AND WESTERN RAILROAD	2		. ——	
UNION PACIFIC RAILROAD	4			2
UNITED STATES STEEL CORPORATION	1			
WESTERN MARYLAND RAILWAY				
WESTERN PACIFIC	1			
STATEN ISLAND RAPID TRANSIT OPER. AUTH.				
TOTAL	69	. 3	4	8

RAILROAD, TYPE, AND CAUSE

1	ERAIL	MENTS.	• • • • • •	• • • • • •	OT	HER	• • • • • •	
HUMAN				HUMAN				
FACTORS	EQUIP	TRACK	OTHER	FACTORS	EQUIP	TRACK	OTHER	TOTAL
		1						. 1
								1
2	2	4	1	1				15
		2						8
								2
		2					1	5
3	3	3	1					13
2	2	2	4					12
								1
3	2							7
1		3				·		4
4	5	3		1			1	. 28
								2
								1
							-	2
	1	1						2
		5	2				2	11
								2
	1							1
								3
1	2	1	1					11
		1						1
							1	3
								2
2	4	1						9
		2						.9
							1	3
	1							1
1							1	2
1	1							5
								2
1								7
								1
1								1
3								4
				1				1

REPORT NUMBER	RAILROAD CODE	ACCIDENT LOC	CATION	DATE	PAGE
1	ATSF	SHAFTER	CA	01/04/80	1 ,
2	ATK/ BM	BOSTON	MA	01/08/80	i
3	LN	WORTHVILLE	KY	01/11/80	1
4	CR	MILLFIELD	ОН	01/13/80	2
5	CR	LANGHORNE	PA	01/13/80	2
6	BN	RIDGEFIELD	WA	01/14/80	2
7	во	FAYNE	ОН	01/24/80	3
8	LN	ACWORTH	GA	01/25/80	3
9	SOU	BROWNS	IL	01/25/80	2 3 3 3
10	CR	CORNING	NY	01/28/80	4
11	CR	ODENTON	MD	01/30/80	4
12	BM	EAGLE BRIDGE	NY	02/02/80	4
13	MKT	RAY	TX	02/05/80	5
14	ICG	HENNING	TN	02/05/80	5
15	TPW	EAST PEORIA	IL	02/06/80	5
16	CR.	EASTON	PA	02/07/80	6
17	SOU	CAYCE	SC	02/07/80	6
18	ATSF/	SHOEMAKER	NM	02/07/80	6
19	ATK MP	O'KEAN	AD	02/00/00	-
20			AR	02/09/80	7 7
20	WP/ SP	PREBLE	NV	02/10/80	,
21	BN	SCENIC	WA	02/10/80	7
22	SP	LODI	CA	02/11/80	8
23	ВО	ORLEANS ROAD	WV	02/12/80	· 8
24	MP	MOMENCE	IL	02/13/80	8
25	ICG	SLEDGE	MS	02/13/80	9 .
26	BN	ANGORA	NE	02/16/80	9
27	CV	GIBBS	CT	02/22/80	9
28	CR/ BO	OUTVILLE	ОН	02/26/80	10 ,
29	CNW	WAUKEGAN	IL	03/13/80	10
30	BN/	GLACIER PARK	MT :	03/14/80	10
	ATK	,			
31	BN/	ARLINGTON	·IL	03/19/80	11
	ATK .		,,,		
32	LŃ	GRAYSVILLE	GA	03/20/80	11
33	CR/	DARIEN	CT	03/24/80	11
	ATK		,		11
34	KCS	SALLISAW	OK	03/28/80	12
35	SCL / ATK	SOUTHERN PINES	NC	04/02/80	12
36	BM	MYSTIC JUNCTION	MA	04/03/80	12
37	CO	HURRICANE	WV	04/05/80	13
38	MP	ARLINGTON	CO	04/03/80	13
39	WP	HAYWARD	CA	04/07/80	13
40	CR	BALTIMORE	MD	04/10/80	14

REPORT NUMBER	RAILROA CODE	υ 	ACCIDENT LOCATIO	N	DATE	PAGE
41	AGS	August es	PICAYUNE	MS	04/13/80	14
42	GA	3 5 (BUCKHEAD	GA	04/19/80	14
43	CR	05	NEW CARLISLE	IN ·	04/27/80	15
44	ICG/		HUMBOLDT	IL	05/07/80	15
	ATK	+ + + · · ·		•		
45	ATSF	, a .	PISGAH	CĂ-	05/11/80	15
46	ICG/		GALTON	IL	05/12/80	16
÷	ATK	(1)				
47	NW	07) .	PALMER	"IL	05/18/80	16
48	CO	07.1	YOLYN	WV	05/30/80	16
49	ВО	(°.7°).	RIDGWAY	PA	06/04/80	17
50	ATK/		BALTIMORE	MD	06/05/80	17
	CR	Č 11			06/06/00	
51 .	, LA	.0	GARLAND	TX	06/06/80	17
52	MILW/		NORPAUL	IL	06/08/80	18
	BOCT/	Ų				
	IHB					
53	MILW		GRAYS LAKE	IL	06/10/80	18
54	SP	(1)	SMALL	TX	06/15/80	18
55	ICG	() ·	HAMMOND	LA	06/17/80	19
56	EJE/	~ 1	GARY	IN	06/21/80	19
	USSC	f ,				
57	ВО		GAITHERSBURG	MD	06/23/80	19
58	ICG/		MEMPHIS	TN	06/27/80	20
-0	ATK	1,	TDOTH (A) W	3 m :	06/07/00	
. 59	WM		EDGEMONT	MD	06/27/80	20
60	CO		ENSEL	MI	07/02/80	20
61	ICG		MAXON	KY	07/08/80	21
62	ATK	13	LINDEN	NJ	07/09/80	21
63	BN	• • • • • • • • • • • • • • • • • • •	HASTINGS	IA.	07/10/80	21
64	NW		WILLIAMSPORT	IN	07/15/80	22
65	CR	i, -	NORTH WALES	PA	07/17/80	22
66	LN	C.	STANTON	TN	07/21/80	22
67	ICG	ſ',	MULDRAUGH	KY	07/26/80	23
68	CR	17.	MEEKERS	OH	07/30/80	23
69	UP	1 1 .	DAVENPORT	NE	07/31/80	23
70	CR		CROTON HARMON	NY	07/31/80 08/19/80	24
71 - 72	ВО		HAYDEN	IN		24
	BN		CASSVILLE	WI	08/20/80	24
73	ATSF	• • • •	AUGUSTA	KS	08/20/80	25
.74 75	CNW		DES MOINES	IA BA	08/21/80	25
13	CR/		PHILADELPHIA	PA	08/25/80	25
76	ATK	1	TEPMOV		09/24/90	
76	BN		FERMOY	MN	08/26/80	26 26
. 77	SP/	•	GIBSON	CA	08/28/80	26
70	ATK		DACE OF TOURORIES	TIM	00/20/00	
78 79	MEC MILW/		EAST ST JOHNSBURY ST. CROIX	VT MN	08/28/80 08/29/80	. 26 27
	MJ.LW/		OL UKULA	14114	UU12710U '	21

NUMBEI		AILROA CODE		ACCIDENT. LOCA	ATION	DATE	PAGE
80		BN		WATERMAN	IL	09/01/80	27
81.	,	NW/		TACOMA	VA	09/03/80	27
O1		LN		moonn	VA	03/03/00	21
82	:	SP		COOKS POINT	TX	09/04/80	28 a .
83		NW		FARM	WV	09/06/80	28
84	`.	во	The second second	SUMNER	IL	09/08/80	28
85		CNW	년 (12) · · · · · · · · · · · · · · · · · · ·	AGNEW	IL	09/09/80	29
86		во	1	ROWLESBURG	ΨV	09/17/80	29
87		ATK/	ilfa tagi Angana	CHICAGO	IL,	09/17/80	29
	4	ATSF/	erek jarren an e. Arteko en erek			03/1//00	
	7.5	ICG		· · · · · · · · · · · · · · · · · · ·		\$	
88	`· :	ВО		HOWARD	PA	09/17/80	30
89	, ,	BN		SNOHOMISH JCT.	WA	09/20/80	30
90	7	CR		NEW YORK	NY	09/23/80	30
91		BN		MENDOTA	,IL ,	09/25/80	31
92		CNW		MISSOURI VALLEY	IA	09/25/80	31
93		ВО	· .	SHELBY	ОН	09/27/80	31
94		CR/		PAOLI	PA	09/28/80	32
~ -	- '	ATK		· ·	121	03/20/00	. 32
95	. 2	NW		EXCELSIOR	wv	09/30/80	32
96		FEC		VERO BEACH	FL	10/01/80	32
97 ·	•	CR	٠,	ROCKVILLE	- OH	10/01/80	
98	:: 5	LN		CRESTVIEW	FL	10/00/80	33
99	٠. ٔ	LI		LYNBROOK	NY	10/07/80	33
100		ICG/	1.00	CRYSTAL SPRINGS	MS	10/12/80	33
. 100		ATK	Y	OKIDIAH DIKINGS	no	10/12/00	34
101		ICG	* * * * * * * * * * * * * * * * * * * *	LORENZO	· IL	10/13/80	34
102		CR/		RENSSELAER	NY	10/14/80	
102		ATK		KENOOHEKEK	N.L	10/14/00	34
103	* .	UP		HERMOSA	WY	10/16/80	35
104	• •	MP		ST. LOUIS	MO	10/17/80	35 35
105	* *	AWP/	7.35.	TILFORD	GA	10/21/80	35
	2.3	LN /				10/21/00	,
	į.	SCL	1930 M	· ·			4
106	٦٠.	ATSF		HOLT	CA	10/23/80	36
107	٠.	CR		BUFFALO	NY	10/25/80	. 36
108	•	LN	,	UPTON	IN	10/25/80	36
109		CR		ARCOLA	IN	10/23/80	37
110	•	ICG/		KANSAS CITY JCT.	IL	10/30/80	37
		ATK	. *	Tembrio CIII COII	1.0	10/30/00	57
111		SLSF		ST. JAMES	МО	11/01/80	. 37
112		ATSF	**	BENEDUM	TX	11/01/00	38
113		CR/		DOBBS FERRY	NY	11/02/80	38
~ = 3		ATK	•	, some ruitter .	14.7	11,07,00	J 0
114		MP	•	KILDARE	TX	11/11/80	38
115		UP		BLACK BUTTES	WY	11/12/80	39
116	1 60	TRRA	• • • •	GRANITE CITY	IL	11/16/80	39
	•	BN	en e			, _ , , , , ,	

REPORT NUMBER	RAILROAD CODE	ACCIDENT LOCAT	TION	DATE	PAGE	
117	UP 3	KELSO	CA	11/17/80	39	
118	ASAB/ LN	COTTONDALE	FL	11/21/80	40	
119	CNW	WAUKE GAN	IL	11/24/80	40	
120	ICG .	KENNER	LA	11/25/80	40	
121	GA	SOCIAL CIRCLE	GA	11/26/80	41	
122	SCL	THRIFT	NC	11/29/80	41	
123	ВО	NEW MIAMI	ОН	12/04/80	41	
124	CR	SYRACUSE	ŃУ	12/08/80	42	
125	BM	MANCHESTER	NH	12/15/80	42	
126	MP	ALIX	AR	12/16/80	42	
127	WP	CLIVE	UT	12/28/80	43	
128	SIRC	STATEN ISLAND	NY	12/29/80	43	
129	NW	SINGER	VA	12/29/80	43	
130	BN / SLSF	REPUBLIC	МО	12/30/80	44	

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJÜRED	RR DAMAGE
ATSF	01/04/80	8:49 AM	SHAFTER	-	CA	HEAD-END COLLISION	1	0	\$716
	TYPE OF T			MAIN			,	•	
1	CLASS OF '		N:	4 TRAFFIC CONTROL		MOVEMENTS INVOLVED:	WORK TRAIN	X3277 TK CR	50 мРн О м РН
	EQUIPMENT	DERAILED		NONE			·.		
٠, .	PROBABLE (AILURE OF	·	277 EAST) TO	OPERATE THE TRAIN I	N ACCORDANCE WIT	H RESTRICTIVE	SIGNAL
	CONTRIBUT	ING FACTO	R: CREW	FAILED TO TAKE NE	CESSARY ACTI	ON TO INSURE SAFETY	OF THE TRAIN. H	EAVY FOG IN A	CCIDENT ARE
ATK BM	01/08/80	8:47 AM	BOSTON		MA	DERAILMENT	0	0	\$500
2	TYPE OF T. CLASS OF ' METHOD OF EQUIPMENT	TRACK: OPERATIO		MAIN 1 INTERLOCKING 1 LOCOMOTIVE		MOVEMENTS INVOLVED:	PASSENGER TRAIN	306	8 мрн
	PROBABLE	CAUSE: F	ALSE PROCI	ED SIGNAL INDICAT	rion.		·		
					י סאדודים ר	TRAITE ARACOER BERM		ው ለዕድይልሞ ሮ በ	UNDER TRAIN
	CONTRIBUT	ING FACTO	R: BACK-	HOE DAMAGED SIGNA	TI CADIES. C	IRCUITS CROSSED PERM	ITTING SWITCH TO	DE OPERATED	
LN			R: BACK-			DERAILMENT	O	0	\$480,214
LN		12:35 PM							

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/13/80	06:03 A	M MILLFIELD		ОН	DERAILMENT	. 0	0	\$81,678
	TYPE OF T	RACK:		MAIN	•				
4	CLASS OF	TRACK:	on:	TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT TRAIN	x7951	29 MPF
	EQUIPMENT	DERAILE	D:	MANUAL BLOCK 18 CAR(S)					
	PROBABLE	CAUSE:	RIGID TRUCKS	ON COVERED HOPPI	ER CAR (EI	20003) DID NOT NEGOTIA	TE THE 8-DEGREE	, 13-MINUTE CO	JRVE.
CR	01/13/80	04:46 P	M LANGHORNE	·•	PA	DERAILMENT	0	0	\$53,350
	TYPE OF T			MAIN					
5	CLASS OF METHOD OF		ON:	4 AUTOMATIC BLOCK		MOVEMENTS INVOLVED: 1	REIGHT TRAIN	ENCR3	42 MPH
	EQUIPMENT			CAB SIGNAL 11 CAR(S) 1 CABOOSE(S)	•				,
	PROBABLE	CAUSE:	COUPLER RETA		JT OF BOX	CAR (MP 266748).	,		
BN	01/14/80	4:50 P	M RIDGEFIEL)	WA	DERAILMENT	2	1	\$833,700
				** * **	د				
	TYPE OF T			MAIN 4	•	,			
	METHOD OF			TRAFFIC CONTROL 4 LOCOMOTIVE U		MOVEMENTS INVOLVED: F	REIGHT TRAIN	X6467	45 мрн
6	EQUIPMENT			19 CAR(S)					

			, ,			•			
CODE	DATE	T ĮME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
во	01/24/80	3:50 PM	FAYNE	*	ОН	DERAILMENT	0	0	\$108,000
	myne oe m	DA OW.		MAIN					
	CLASS OF	RACK:		MAIN 3	-			,	
7	-	OPERATION	ī :	TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: FR	EIGHT TRAIN	СН-94	42 MPH
	EQUIPMENT	DERAILED:	•	24 CAR(S)		An Comment			
•	PROBABLE	CAUSE: UN	DETERMINE)	D•			,		
LN	01/25/80	12:46 AM	ACWORTH		GA GA	DERAILMENT	0	0	\$14,200
		_ ; ;							
	TYPE OF T	RÀCK:		SIDING 1				•	
8	METHOD OF	OPERATION DERAILED:		TRAFFIC CONTROL 4 CAR(S)	L	MOVEMENTS INVOLVED: FR	EIGHT TRAIN	X2735	7 мен
		ă.	ar a d		•	•			
	PROBABLE	CAUSE: A	SECTION OF	F 90-POUND JOINT	ED RAIL BRO	KE INŢŅ FOUR PARTS.			·
sou	01/25/80	4:05 PM	BROWNS		IL	DERAILMENT	0	2	\$743,600
	•								
	TYPE OF T	BACK.		MAIN					
		TRACK:		4			,		
9		OPERATION		TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED: FR	EIGHT TRAIN	127	43 MPH
	EQUIPMENT	DERAILED:		3 LOCOMOTIVE 25 CAR(S)	UNIT(S)				

CODE	DATE TIME CITY	STATE	ACCIDENT	TYPE	KILLED	INJURED	RR DAMAGE
CR	01/28/80 7:10 AM CORNING	NY	SIDE COLL	ISION	0	2	\$264,662
	•	•			•		•
	TYPE OF TRACK:	MAIN		. •			
	CLASS OF TRACK:	4 .	<u> </u>				0.5
0	METHOD OF OPERATION:	INTERLOCKING TRAFFIC CONTROL	MOVEMENTS	INVOLVED: FREI	GHT TRAIN	AP-3 BIPJ8	25 MPH. 2 MPH
	EQUIPMENT DERAILED: ,	6 LOCOMOTIVE UNIT(S) 3 CAR(S)	•	† · · · ·	OHI IMILI	B1100	E MEL AL
		ı	•	1 .			
	PROBABLE CAUSE: FAILURE OF BLOCK.	THE CREW TO OPERATE TRAI	N AP-3 IN ACCORD	ANCE WITH CARE	RIER RULES A	FTER BEING DE	LAYED IN THE
		7 - 3 N. 10					·
R	01/30/80 11:43 PM ODENTON	MD	DERAILMEN	T	0	0	\$119,750
				· · · · · ·			
•	TYPE OF TRACK: CLASS OF TRACK:	MAIN 4	·		•	- *	•
1		AUTOMATIC BLOCK 16 CAR(S)	MOVEMENTS	INVOLVED: FREI	GHT TRAIN	X4458	52 MPH
	PROBABLE CAUSE: UNIT BRAKE	BEAM ON SCL 830430 DROPP	ED IN TRACK GAGE	•			
	CONTRIBUTING FACTOR: WORN	BRAKE BEAM, TRUCK BOLSTE	R, AND SIDE FRAM	E COLUMN GUIDE	S.	·	
M	02/02/80 12:45 PM EAGLE B	RIDGE NY	DERAILMEN	T	0	(O	\$368,937
	TYPE OF TRACK:	MAIN	r.				
	CLASS OF TRACK:	3					
2	METHOD OF OPERATION:	INTERLOCKING TRAFFIC CONTROL	MOVEMENTS	INVOLVED: FREI	GHT TRAIN	X 210	`38 мрн
	EQUIPMENT DERAILED:	36 CAR(S)					
	PROBABLE CAUSE: IRREGULAR	CROSS-LEVEL OF TRACK (2.2)	5 INCHES WITHIN	50 FEET).			

r type	KILLED	INJURED	RR DAMAGE
D COLLISION	1	3	\$1,920,211
	•		
C THUST HED.	YARD/SWITCHING		0 MDH
	CUT OF CARS		2 MPH 55 MPH
•			
T ON A DESCI	ENDING GRADE.		
D COLLISION	0	2	\$412,800
e thuotuen.	EDETCUT TO ATM	X3070	О МРН
2 INAOFAED:	FREIGHT TRAIN FREIGHT TRAIN	X9626	
-			•
	±4		
TO CONTROL 1	TRAIN SPEED IN A	ACCORDANCE WIT	TH SIGNAL
D COLLISION	O	3	\$40,000
•			
	7.7.7.7.7.0.0.(a)	200	15 200
S INVOLVED:	FREIGHT TRAIN	202	15 MPH 35 MPH
			72
			FREIGHT LOCO(S) 202 FREIGHT TRAIN 25 PROTECTION FOR ITS MOVEMENT WHILE OPERAT

)2/07/80 1	٠, ,									
	1:35 AM	EASTON		PA.	DERAILME	vr	0	0	•	\$38,500
, ,			27.47		. •					
TYPE OF TRA	CK:		MAIN	,						
			- 1							
METHOD OF O	PERATION	i:	AUTOMATIC BLOC		MOVEMENTS	INVOLVED:	FREIGHT TRAIN	;	X3259	10 MPH
EQUIPMENT D	ERAILED:	. 1	7 CAR(S)	, _		:				
PROBABLE CA	SU	PERELEVAT	ION AT THE EAST	END OF CROS	SOVER SWITCH	NO. 34, CA	AUSED A WHEEL O	F TANK C	DED BY :	REVERSE X 33866) TO
02/07/80	3:40 PM	CAYCE		sc	RAIL-HWY		· · · · · · · · · · · · · · · · · · ·	4		\$145,250
,			* 4. 9.5		, , ,		No.	: -		
TYPE OF TRA	CK:		MAIN							
			3							
ETHOD OF O	PERATION	ī:		100	MOVEMENTS	INVOLVED:	FREIGHT TRAIN		98	38 MPH
QUIPMENT D	ERAILED:		1 LOCOMOTIVE	UNIT(S)			,			
PROBABLE CA	USE: FA	LILURE OF	THE MOTORIST TO	STOP AT THE	RAIL-HIGHWAY	CROSSING.		•		
)2/0//80	5:00 PM	SHOEMAKE	R .	NM	DERAILME	VT	U	U		\$85,000
			a same combet						13	
								<i>!</i> ',		
			3			,				
ETHOD OF O	PERATION	í :	TIME TABLE	К .	MOVEMENTS	INVOLVED:	PASSENGER TRAI	N	4-F	40 MPH
QUIPMENT D	ERAILED:	٠.		UNIT(S)			-			
PROBABLE CA	USE: TH	E LATERAL A 4-DEGR	FORCE OF THE HT EE, 55-MINUTE CU	C-TYPE 3-AXI	LE TRUCKS UNI	DER THE LOC	COMOTIVE WAS SU	FFICIENT	TO ROLI	L THE HIGH F
	CLASS OF TRETHOD OF O QUIPMENT D ROBABLE CA 2/07/80 YPE OF TRA LASS OF TR ETHOD OF O QUIPMENT D ROBABLE CA 2/07/80 YPE OF TRA LASS OF TR ETHOD OF O QUIPMENT D QUIPMENT D ROBABLE CA	CLASS OF TRACK: ETHOD OF OPERATION QUIPMENT DERAILED: ROBABLE CAUSE: EX LI 2/07/80 3:40 PM YPE OF TRACK: LASS OF TRACK: ETHOD OF OPERATION QUIPMENT DERAILED: 2/07/80 5:00 PM YPE OF TRACK: LASS OF TRACK: LASS OF TRACK: LASS OF TRACK: CHOOLOGY OPERATION QUIPMENT DERAILED: QUIPMENT DERAILED: ROBABLE CAUSE: THE ON	CLASS OF TRACK: ETHOD OF OPERATION: QUIPMENT DERAILED: ROBABLE CAUSE: EXCESSIVE L SUPERELEVAT LIFT AND DE 2/07/80 3:40 PM CAYCE YPE OF TRACK: LASS OF TRACK: ETHOD OF OPERATION: QUIPMENT DERAILED: ROBABLE CAUSE: FAILURE OF 2/07/80 5:00 PM SHOEMAKE YPE OF TRACK: LASS OF TRACK: ETHOD OF OPERATION: QUIPMENT DERAILED: QUIPMENT DERAILED: ROBABLE CAUSE: THE LATERAL ON A 4-DEGR	ETHOD OF OPERATION: ETHOD OF OPERATION: ETHOD OF OPERATION: QUIPMENT DERAILED: ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR F SUPERELEVATION AT THE EAST LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE YPE OF TRACK: ETHOD OF OPERATION: TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO 2/07/80 5:00 PM SHOEMAKER YPE OF TRACK: ANIN 1 LOCOMOTIVE 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO 2/07/80 5:00 PM SHOEMAKER YPE OF TRACK: LASS OF TRACK: ANIN 3 ETHOD OF OPERATION: AUTOMATIC BLOC TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HT ON A 4-DEGREE, 55-MINUTE CU	LASS OF TRACK: ETHOD OF OPERATION: INTERLOCKING AUTOMATIC BLOCK TRAFFIC CONTROL 7 CAR(S) ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREAT SUPERELEVATION AT THE EAST END OF CROS LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE SC YPE OF TRACK: MAIN LASS OF TRACK: 2/07/80 TRACK: GUIPMENT DERAILED: AUTOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE 2/07/80 5:00 PM SHOEMAKER MAIN YPE OF TRACK: AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE UNIT(S) AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXI ON A 4-DEGREE, 55-MINUTE CURVE.	LASS OF TRACK: ETHOD OF OPERATION: INTERLOCKING AUTOMATIC BLOCK TRAFFIC CONTROL 7 CAR(S) ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREATED BY A 4-DEC SUPERELEVATION AT THE EAST END OF CROSSOVER SWITCH LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE SC RAIL-HWY YPE OF TRACK: AAIN LASS OF TRACK: 3 ETHOD OF OPERATION: TIME TABLE TRAIN ORDERS QUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HICHWAY 2/07/80 5:00 PM SHOEMAKER NM DERAILMEN YPE OF TRACK: AAIN AAIN 2/07/80 5:00 PM SHOEMAKER NM DERAILMEN YPE OF TRACK: TIME TABLE TRAIN ORDERS QUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXLE TRUCKS UNIT ON A 4-DEGREE, 55-MINUTE CURVE.	LASS OF TRACK: ETHOD OF OPERATION: INTERLOCKING AUTOMATIC BLOCK TRAFFIC CONTROL 7 CAR(S) ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREATED BY A 4-DEGREE CHANCE SUPERELEVATION AT THE EAST END OF CROSSOVER SWITCH NO. 34, CA LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE SC RAIL-HWY CROSSING YPE OF TRACK: MAIN LASS OF TRACK: 1 LOCOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING. 2/07/80 5:00 PM SHOEMAKER NM DERAILMENT MAIN 2/07/80 5:00 PM SHOEMAKER NM DERAILMENT MAIN AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING. 2/07/80 5:00 PM SHOEMAKER NM DERAILMENT MAIN AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXLE TRUCKS UNDER THE LOCO ON A 4-DEGREE, 55-MINUTE CURVE.	LASS OF TRACK: ETHOD OF OPERATION: AUTOMATIC BLOCK TRAFFIC CONTROL. QUIFMENT DERAILED: 7 CAR(S) ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREATED BY A 4-DEGREE CHANGE IN CURVATURE, SUPERRLEVATION AT THE EAST END OF CROSSOVER SWITCH NO. 34, CAUSED A WHEEL O LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE SC RAIL-HWY CROSSING 0 YPE OF TRACK: MAIN LASS OF TRACK: 3 ETHOD OF OPERATION: TRAIN ORDERS QUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HICHWAY CROSSING. 2/07/80 5:00 PM SHOEMAKER NM DERAILMENT 0 YPE OF TRACK: MAIN LASS OF TRACK: MAIN AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS QUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXLE TRUCKS UNDER THE LOCOMOTIVE WAS SU ON A 4-DEGREE, 55-MINUTE CURVE.	LASS OF TRACK: ETHOD OF OPERATION: INTERLOCKING AUTOMATIC BLOCK TRAFFIC CONTROL 7 CAR(S) ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREATED BY A 4-DEGREE CHANGE IN CURVATURE, COMPOUN SUPERRELEVATION AT THE EAST END OF CROSSOVER SWITCH NO. 34, CAUSED A WHEEL OF TANK C. LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE SC RAIL-HWY CROSSING 4 YPE OF TRACK: MAIN LASS OF TRACK: TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING. 2/07/80 5:00 PM SHOEMAKER MAIN LASS OF TRACK: 3 ETHOD OF OPERATION: MAIN TRAIN ORDERS 1 LOCOMOTIVE UNIT(S) 7 CAR(S) MAIN DERAILMENT 0 0 YEE OF TRACK: MAIN LASS OF TRACK: 3 ETHOD OF OPERATION: MIN DERAILMENT O 0 O YEE OF TRACK: AIN LASS OF TRACK: AIN LASS OF TRACK: 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXLE TRUCKS UNDER THE LOCOMOTIVE WAS SUFFICIENT ON A 4-DEGREE, 55-MINUTE CURVE.	LASS OF TRACK: ETHOD OF OPERATION: INTERLOCKING AUTOMATIC BLOCK TRAFFIC CONTROL 7 CAR(S) ROBABLE CAUSE: EXCESSIVE LATERAL DRAWBAR FORCES CREATED BY A 4-DEGREE CHANGE IN CURVATURE, COMPOUNDED BY SUPERRLEVATION AT THE EAST END OF CROSSOVER SWITCH NO. 34, CAUSED A WHEEL OF TANK CAR (NAT LIFT AND DERAIL. 2/07/80 3:40 PM CAYCE SC RAIL-HWY CROSSING 0 4 TRAIN ORDERS GUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING. 2/07/80 5:00 PM SHOEMAKER NM DERAILMENT 0 0 VPE OF TRACK: 3 AAIN LASS OF TRACK: 3 TRAIN ORDERS GUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 7 CAR(S) ROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE RAIL-HIGHWAY CROSSING. 2/07/80 5:00 PM SHOEMAKER NM DERAILMENT 0 0 VPE OF TRACK: 3 TRACK: 4-PECRET TRAIN 4-F TIME TABLE TRAIN ORDERS GUIPMENT DERAILED: 1 LOCOMOTIVE UNIT(S) 9 CAR(S) ROBABLE CAUSE: THE LATERAL FORCE OF THE HTC-TYPE 3-AXLE TRUCKS UNDER THE LOCOMOTIVE WAS SUFFICIENT TO ROLL ON A 4-DEGREE, 55-MINUTE CURVE.

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE		KILLED	INJURE	ED RR DAMAGE
MP	02/09/80	6:38 PM	O'KEAN	,	AR	DERAILMENT		0	1	\$670,000
19				SIDING 4 TRAFFIC CONTROL TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE U 9 CAR(S)		MOVEMENTS INVOLV	/ED: FREIGHT	TRAIN TRAIN	2	X3215 15 МРН X6371 0 МРН
	PROBABLE	CAUSE: TH	IN FLANGE	WHEEL ON TANK CAR	R (GATX 84	715).				
WP SP	02/10/80	02:35 AM	PREBLE		nv	REAR-END COLLIS	SION	0	1	\$105,500
20				MAIN 5 AUTOMATIC BLOCK 1 CAR(S) 1 CABOOSE(S)		MOVEMENTS INVOLV	/ED: FREIGHT FREIGHT	TRAIN TRAIN	2	(3508 15 мрн (8869 0 мрн
	PROBABLE	CAUSE: FA	ILURE OF	CREW (EXTRA 3508 E	EAST) TO C	PERATE THE TRAIN IN	N ACCORDANCE	WITH S	IGNAL INI	DICATION.
BN	02/10/80	02:15 PM	SCENIC		WA	DERAILMENT		0	3	\$300,000
21		TRACK:	:	MAIN 4 TRAFFIC CONTROL 1 LOCOMOTIVE U	INIT(S)	MOVEMENTS INVOLV	/ED: FREIGHT	TRAIN	2	к6367 75 мрн

	DATE	TIME	CITY		STATE	ACCIDENT TYPE	· · ·	KILLED	INJU	RED -	RR DAMAGE
SP	02/11/80	1:20 AM	LODI	*	CA	SIDE COLLISION		0	4		\$236,100
						• .			3	٠.	
	TYPE OF T			MAIN 5					-		
22	CLASS OF METHOD OF	OPERATION:	:	TRAFFIC CONTRO	L.	MOVEMENTS INVOLVED:	FREIGHT FREIGHT	TRAIN TRAIN		X9388 X9143	15 MPH 15 MPH
	EQUIPMENT	DERAILED:		4 LOCOMOTIVE 27 CAR(S)	UNIT(S)				,		**
	PROBABLE	CAUSE: FA	ILURE OF	CREW (EXTRA 9143	EAST) TO O	PERATE THE TRAIN IN ACC	CORDANCE	WITH SI	GNAL I	NDICATI	ONS.
				,							
во	02/12/80	05:54 AM	ORLEANS	ROAD	wv	HEAD-END COLLISION	•	1	7		\$1,579,550
•	TYPE OF T	RACK:		MAIN 4							
23		OPERATION:	:	TRAFFIC CONTRO	ւ	MOVEMENTS INVOLVED:	FREIGHT FREIGHT	TRAIN TRAIN	,	X6474 X4367	24 MPH 30 MPH
	EQUIPMENT	DERAILED:		4 LOCOMOTIVE 19 CAR(S)	UNIT(S)					, .	
	PROBABLE (CAUSE: FAI	LLURE OF	CREW (EXTRA 6474	EAST) TO OF	PERATE THE TRAIN IN ACC	CORDANCE	WITH SI	GNAL I	NDICATI	ONS.
	PROBABLE (CAUSE: FAI	LURE OF	CREW (EXTRA 6474	EAST) TO OF	PERATE THE TRAIN IN ACC	CORDANCE	WITH SI	GNAL II	NDICATI	ons.
 MP		CAUSE: FAI		CREW (EXTRA 6474	EAST) TO OF	PERATE THE TRAIN IN ACC		WITH SIG			
 MP	02/13/80	2:45 AM		· · · · · · · · · · · · · · · · · · ·		DERAILMENT					
 MP	02/13/80 TYPE OF T	2:45 AM	MOMENCE	CREW (EXTRA 6474	IL	DERAILMENT					\$471,500
 МР 24	02/13/80 TYPE OF THE CLASS OF T	2:45 AM	MOMENCE	· · · · · · · · · · · · · · · · · · ·	IL	DERAILMENT MOVEMENTS INVOLVED:		O TRAIN	2		\$471,500 50 MPH

R CODE	DATE TIME CI	TY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	02/13/80 3:45 AM SL	.E DGE	MS	DERAILMENT	0	0	\$398,000
25	TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	TRAIN ORDERS		MOVEMENTS INVOLVED: FRE	EIGHT TRAIN	X3244	35 MPH
	PROBABLE CAUSE: BOLT	HOLE CRACKS IN THE 115-	-POUND RAIL	CAUSED RAIL FAILURE IN TH	E JOINT AREA		
BN	02/16/80 03:30 AM AN	IGORA	NE	BROKEN TRAIN COLLISION	v 2	3	\$1,530,000
26		MAIN 4 TIME TABLE TRAIN ORDERS 3 LOCOMOTIVE 11 CAR(S)		MOVEMENTS INVOLVED: LIC	HT LOCO(S) OF CARS	X2048	46 MPH 0 MPH
	PROBABLE CAUSE: FAILU	JRE OF CREW (EXTRA 2048	EAST) TO C	ONTROL THE SPEED OF THE LO	COMOTIVE UNI	IS ON A DESCE	NDING GRADE
	PROBABLE CAUSE: FAILU			ONTROL THE SPEED OF THE LO			s54,500

RR DAMAGE	URED	INJU	ILLED	· KI	TYPE	ACCIDENT :	STATE			CITY	TIME	DATE	R CODE
							,u, u, u,						
\$211,350		0	0	0	NT ,	DERAILMENT	ОН		,	OUTVILL	8:43 PM	02/26/80	CR BO
48 MPH	SLEN6		TRAIN	FREIGHT T	INVOLVED:	MOVEMENTS	K	C BLOCK	MAIN 5 AUTOMATI 11 CAR(N:	OPERATIO	CLASS OF METHOD OF	28
OF A COVERED	A" END OI	THE "A	OUT OF	TO PULL O	ND COUPLER	ie draft key ani	ALLOWED TH		FT KEY RET (PC 888661			PROBABLE	,
\$81,400		1	0	0	ision	SIDE COLLI	IL.		-1.	WAUKEGAI	9:16 AM	03/13/80	CNW
				PASSENGER FREIGHT T		MOVEMENTS I	ĸ	C BLOCK	MAIN 2 AUTOMATI	N:		TYPE OF T CLASS OF METHOD OF	29
AIN TRACK AFTE	LED A MAI	OR FOUL	TERED O	TRAIN ENT		FIVE MINUTES BE		A 4313)	CREW (EXTR		CAUSE: FA	•,	
\$558,000		123	 0	. 0	 T	DERAILMENT	MT	62	PARK	GLACIER	4:05 ⁻ PM	03/14/80	
37 МРН	7	1	R TRAIN	PASSENGER	INVOLVED:	MOVEMENTS I	L UNIT(S)	MOTIVE	MAIN 3 TRAFFIC 2 LOCO 8 CAR(30
·	7			•		MOVEMENTS I		CONTROL MOTIVE	MAIN 3 TRAFFIC 2 LOCO	ī:	RACK: TRACK: OPERATION	TYPE OF TO CLASS OF THE THOOLOGY	BN ATK 30

CODE	DATE TIME CITY		STATE	ACCIDENT TYPE	KILLED	INJURE	D RI	R DAMAGE
BN ATK	03/19/80 11:25 AM ARLINGTO	V	IL	DERAILMENT	0	0		\$3,750
	TYPE OF TRACK: CLASS OF TRACK:	MAIN		Location of the				
l	METHOD OF OPERATION:	TRAFFIC CONTROL TIME TABLE		MOVEMENTS INVOLVED:	PASSENGER TRAIN	1	6	75 MPH
•	EQUIPMENT DERAILED:	TRAIN ORDERS 1 CAR(S)	. *	Section Section 2		a 1 41	;	right (M) .
ā	PROBABLE CAUSE: BROKEN WHEEI	ON PASSENGER CAP	R (AMT 2760)			olen Till.	
						· · · · · · · · · · · · · · · · · · ·		
N	03/20/80 11:32 AM GRAYSVILI	Æ	GA	REAR-END COLLISION	1	3	\$	\$240,000
	TYPE OF TRACK:	MAIN		$(x_1, \dots, x_{n-1}, \dots, x_{n-1})$,	
2	CLASS OF TRACK: METHOD OF OPERATION:	4 TRAFFIC CONTROL		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN		3554 3573	0 MPH 30 MPH
	EQUIPMENT DERAILED:	3 LOCOMOTIVE T 4 CAR(S) 1 CABOOSE(S)	nit(s)					
		" - O'TO O'D TI(O)				44		
	PROBABLE CAUSE: FAILURE OF CINDICATION.	CREW (EXTRA 3573 E		PERATE THE TRAIN IN CO	OMPLIANCE WITH "	'RESTRICTI	ED PROCEI	ED" SIGNA
		CREW (EXTRA 3573 N	, · · · · · · · · · · · · · · · · · · ·					ED" SIGNA
	INDICATION. 03/24/80 1:07 PM DARIEN TYPE OF TRACK:	CREW (EXTRA 3573 N	, · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		···		.,
ľK	INDICATION. 03/24/80 1:07 PM DARIEN TYPE OF TRACK: CLASS OF TRACK:	CREW (EXTRA 3573 N	, · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	O WORK TRAIN	5	102	.,
 R TK 3	INDICATION. 03/24/80 1:07 PM DARIEN TYPE OF TRACK: CLASS OF TRACK:	CREW (EXTRA 3573 N	, · · · · · · · · · · · · · · · · · · ·	OBSTRUCTION	0	5	· · · · · · · · · · · · · · · · · · ·	\$177,150 0 MPH

	DATE	TIME	CITY	· · · · · · · · · · · · · · · · · · ·	STATE	ACCIDENT	TYPE	K	CILLED	INJUR	ED	RR DAMAGE
KCS	03/28/80	9:00 AM	SALLISAW		OK	REAR-END	COLLISION		0 -	5		\$63,700
	TYPE OF T	RACK:		MAIN				•	٠,		•	•
34	CLASS OF METHOD OF		:	3 TRAFFIC CONTROL	L	MOVEMENTS	INVOLVED:	FREIGHT FREIGHT	TRAIN		X663 X685	
	EQUIPMENT	DERAILED:	er er	1 LOCOMOTIVE 3 CAR(S) 1 CABOOSE(S)	~ n							,
	PROBABLE	CAUSE: FA	ILURE OF (CREW (EXTRA 685 1		ERATE THE TE	RAIN IN CON	MPLIANCE	WITH RE	STRICTI	VE SIGNA	AL INDICATIO
CL TK	04/02/80	07:29 AM	SOUTHERN	PINES	NC	HEAD-END	COLLISION		0	125	· · · · ·	\$1,285,192
5	TYPE OF T CLASS OF METHOD OF	TRACK:	:	MAIN 4 TRAFFIC CONTROL	.∵. L	MOVEMENTS	INVOLVED:	FREIGHT	TRAIN		X2771	33 MPH 3 MPH
	EQUIPMENT	DERAILED:	*	4 LOCOMOTIVE 19 CAR(S)	UNIT(S)			PASSENGE	K IKAIN		62	3 MPH
	PROBABLE	CAUSE: FA	*	CREW (NO. 82) TO	OPERATE THE	TRAIN IN AC	CORDANCE V	VITH SIGN	AL INDI	CATION.		
 BM			ILURE OF (CREW (NO. 82) TO			· · · · · · · · · · · · · · · · · · ·	WITH SIGN	·		· •••• ••• •• •• •• •• •• •• •• •• •• ••	\$8,100
 BM		09:00 AM	ILURE OF (· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		·		. — — — — — — — — — — — — — — — — — — —	\$8,100
······································	04/03/80	09:00 AM	ILURE OF (NCTION			LISION		o	6	· • • • • • • • • • • • • • • • • • • •	`. *
 M 6	04/03/80 TYPE OF T	09:00 AM	ILURE OF C	NCTION YARD			LISION		o	6	· • • • • • • • • • • • • • • • • • • •	\$8,100 O MPH 4 MPH

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE]	KILLED	INJURED	RR DAMAGE
CO	04/05/80	8:35 AM	HURRICANE		WV	DERAILMENT		0 .	5	\$416,000
			•	£ .		*.	*			
	ጥህንፑ ለፑ ጥ	D ለ ር'V •		MAIN						
					ř					
37	METHOD OF	OPERATION	J:	TRAFFIC CONTROL		MOVEMENTS INVOLVED	: FREIGHT	TRAIN	X3750	42 MPH
-		4 .	Service of the Service	is and the	*+**		FREIGHT		x4098	23 MPH
	EQUIPMENT	DERAILED:		2 LOCOMOTIVE 9 CAR(S)	UNIT(S)	•			e ²	
				9 CAR(S)				•		
				1 CABOOSE(S)		•				
							are.	* 4	•	
	PROBABLE	CAUSE: BE	ROKEN RAIL	(BOLT HOLE CRACK						
				· · · · · ·				·o	^	A1 51 500
MP	04/07/80	08:50 AM	ARLINGTON	and the second	CO	DERAILMENT	•	U		\$151,500
	TVPF OF T	D A CV •		MAIN						
	CLASS OF	RACK: TRACK:		4					4	
38	METHOD OF	OPERATION	N:	AUTOMATIC BLOCK	(MOVEMENTS INVOLVED	: FREIGHT	TRAIN	X3070	41 MPH
•	EQUIPMENT	DERAILED		45 CAR(S)	•		-			,
	•								-	
•	DD OD ART R	CAUCE. DI				WITHIN JOINT BAR LIMI	ne	. Marine vol is a		
	PROBABLE	CAUSE: BI	KUKEN KAIL,	HEAD AND WEB 51	PARALION,	WITHIN JUINI BAR LIMI	19•			, ,
					·					
		•								
WP	04/09/80	06:55 PM	HAYWARD	e e e e e e e e e e e e e e e e e e e	CA	DERAILMENT		2	3	\$1,186,910
	1000	• • • • •	•	A Company of the Company		•				
•								,		
	TYPE OF T	'RACK:	•	MAIN		•				
	CLASS OF	TRACK:	•	4	,	MOVEMENTS INVOLVED	. PDPT <i>C</i> UT	TO AT N	x3734	60 MPH
39	METHOD OF	OPERATION	N: .	TRAFFIC CONTROL		MOVEMENTS INVOLVED	FREIGHT	TRAIN	X3540	
	EUIT DMENT	DERAILED	•	3 LOCOMOTIVE	UNIT(S)		IRLIGHT	TITITI	25540	30 mm
•	-40 TITIBAT	DEIGHT HED	•	7 CAR(S)		4.2 · · · ·				
	•			1 CABOOSE(S)		·				

R CODE	DATE	TIME	, 	CITY	. ساند قنر و. بد ساند قدر و. بد بد س	STATE	ACCIDENT TYPE	KIL	LED INJ	URED	RR DAMAGE
CR	04/10/80	3:28	AM	BALTIMORE	•	MD	DERAILMENT	0	0		\$35,100
4.0	TYPE OF I CLASS OF METHOD OF EQUIPMENT	TRACK: OPERA	TION	:	MAIN .2 AUTOMATIC BLOCK 6 CAR(S)	K	MOVEMENTS INVOLVED:	FREIGHT TR	AIN	PYSE9	15 мрн
	PROBABLE	CAUSE:	EXC	CESSIVE BU	FFING ACTION CA	USED THE WI	HEELS OF THE EIGHTH CAR	(LTTX 5013	04) TO LIF	T AND DE	ERAIL.
	CONTRIBUT	ING FA	CTOR	POSITI	ONING OF LOADS	ON REAR OF	TRAIN AND HEAVY USE OF	DYNAMIC BR	AKING.		
AGS	04/13/80	2:20	PM	PICAYUNE	,	MS	DERAILMENT	0	0		\$516,350
41		OPERA!	TION:	:	MAIN 3 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 3 LOCOMOTIVE 30 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TR.	AIN	168	42 МРН
	PROBABLE	CAUSE:	CRE		. THE SATURAT		ATED A SAND FILL ALONG THE SAND-BASE FILL TO				
GA	04/19/80	8:05	PM	BUCKHEAD	,	GA	DERAILMENT	0	0		\$320,110
42	TYPE OF TO CLASS OF METHOD OF EQUIPMENT	TRACK: OPERAT	'ION:		MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 21 CAR(S)	ζ	MOVEMENTS INVOLVED:	FREIGHT TRA	AIN	1/278	25 МРН
	PROBABLE (CAUSE:					TREE CURVE, WHICH EXCEENTY TO DERAIL.	DED THE MIN	IMUM LIMIT:	FOR CL	ASS 2 TRACK,

CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	04/27/80	5:05 AM	NEW CARL	SLE	IN	RAKING COLLISION	. 1	2	\$468,650
43		TRACK: OPERATION		MAIN 4 AUTOMATIC BL 51 CAR(S)	OCK	MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X3335 X3278	
	PROBABLE (CAUSE: SH	IFTED LOAI	O IN GONDOLA C	AR (SOU 62113) FOULED THE ADJACENT	MAIN TRACK.	·	
ICG ATK	05/07/80	9:10 AM	HUMBOLDT		IL	DERAILMENT	0	50	\$112,500
44		RACK: TRACK: OPERATION	:	MAIN 5 CAB SIGNAL TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED	: PASSENGER TRAIN	58	90 мрн
,		DERAILED: CAUSE: BR		10 CAR(S)	POUND RAIL.				
ATSF	05/11/80	11:44 PM	PISGAH		CA	REAR-END COLLISION	n 1	.3.	\$1,684,745
45	CLASS OF !	RACK: TRACK: OPERATION		MAIN 5 AUTOMATIC BL	оск	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X5050 X5687	
	EQUIPMENT	DERAILED:		3 LOCOMOTI 27 CAR(S) 1 CABOOSE(PADIGIT TAKEN), III II
	DDOD ADTE	OATTOWN WA	TIME 00 /	ODEL / EVEDA 54	07) WO ODEDAT	E THE TRÀIN IN COMPLIA	NCE WITH SICNAL	INDICATIONS.	

	ITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
<u>-</u>			•			
05/12/80 10:00 AM G	ALTON	IL	DERAILMENT	0	2 .	\$7,500
TYPE OF TRACK:	MAIN		•			
CLASS OF TRACK:	5					
		-	MOVEMENTS INVOLVED: P	ASSENGER TRAIN	58	10 МРН
PROBABLE CAUSE: SPRI	NG RAIL FROG OUT OF ADJU	ISTMENT DUE	TO MISSING RAIL ANCHORS	•	1.	
05/18/80 6:55 AM PA	ALMER	IL .	DERAILMENT	0	0	\$1,024,000
TYDE OF TRACY.	WATN					•
		-				
METHOD OF OPERATION:	AUTOMATIC BLOCK		MOVEMENTS INVOLVED: F	REIGHT TRAIN	SP78	53 MPH
EQUIPMENT DERAILED:						
PROBABLE CAUSE: LATE	RAL TRACK DISPLACEMENT.					
CONTRIBUTING FACTOR:						
· .	OLYN A TANK	wv	DERAILMENT	0	0	\$830,800
05/30/80 10:45 AM YO	- · · · · · · · · · · · · · · · · · · ·					
05/30/80 10:45 AM YO	MAIN	•				
	MAIN 2					
TYPE OF TRACK:	MAIN		MOVEMENTS INVOLVED: F	REIGHT TRAIN	X8232	unknown mi
	CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED: PROBABLE CAUSE: SPRI 05/18/80 6:55 AM P. TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED: PROBABLE CAUSE: LATE:	CLASS OF TRACK: 5 METHOD OF OPERATION: CAB SIGNAL EQUIPMENT DERAILED: 3 CAR(S) PROBABLE CAUSE: SPRING RAIL FROG OUT OF ADJU 05/18/80 6:55 AM PALMER TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 39 CAR(S) PROBABLE CAUSE: LATERAL TRACK DISPLACEMENT. CONTRIBUTING FACTOR: DISPLACEMENT RESULTED	CLASS OF TRACK: 5 METHOD OF OPERATION: CAB SIGNAL EQUIPMENT DERAILED: 3 CAR(S) PROBABLE CAUSE: SPRING RAIL FROG OUT OF ADJUSTMENT DUE 05/18/80 6:55 AM PALMER IL TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 39 CAR(S) PROBABLE CAUSE: LATERAL TRACK DISPLACEMENT. CONTRIBUTING FACTOR: DISPLACEMENT RESULTED FROM SEVERE	CLASS OF TRACK: 5 METHOD OF OPERATION: CAB SIGNAL MOVEMENTS INVOLVED: P EQUIPMENT DERAILED: 3 CAR(S) PROBABLE CAUSE: SPRING RAIL FROG OUT OF ADJUSTMENT DUE TO MISSING RAIL ANCHORS 05/18/80 6:55 AM PALMER IL DERAILMENT TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: F TIME TABLE TRAIN ORDERS 29 CAR(S) PROBABLE CAUSE: LATERAL TRACK DISPLACEMENT. CONTRIBUTING FACTOR: DISPLACEMENT RESULTED FROM SEVERE BUFF FORCES GENERATED	CLASS OF TRACK: 5 METHOD OF OPERATION: CAB SIGNAL MOVEMENTS INVOLVED: PASSENGER TRAIN EQUIPMENT DERAILED: 3 CAR(S) PROBABLE CAUSE: SPRING RAIL FROG OUT OF ADJUSTMENT DUE TO MISSING RAIL ANCHORS. 05/18/80 6:55 AM PALMER IL DERAILMENT O TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: FREIGHT TRAIN TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 39 CAR(S) PROBABLE CAUSE: LATERAL TRACK DISPLACEMENT. CONTRIBUTING FACTOR: DISPLACEMENT RESULTED FROM SEVERE BUFF FORCES GENERATED BY A PRECEDING	CLASS OF TRACK: 5 METHOD OF OPERATION: CAB SIGNAL MOVEMENTS INVOLVED: PASSENGER TRAIN 58 EQUIPMENT DERAILED: 3 CAR(S) PROBABLE CAUSE: SPRING RAIL FROG OUT OF ADJUSTMENT DUE TO MISSING RAIL ANCHORS. 05/18/80 6:55 AM PALMER IL DERAILMENT 0 0 TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: FREIGHT TRAIN SP78 TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 39 CAR(S)

__

CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	I	KILLED	INJU	RED .	RR DAMAGE
во	06/04/80	6:00 AM	RIDGWAY		PA	DERAILMENT		0	0		\$23,400
						•		, %	•		, ,
	TYPE OF T	RACK:		MAIN		•					
	CLASS OF	TRACK:		3	•						
49	METHOD OF	OPERATION		AUTOMATIC BLOCK		MOVEMENTS INVOLVED:	FREIGHT	TRAIN		BR-96	30 MPH
				TRAFFIC CONTROL		Tally in the					
	EQUIPMENT	DERALLED:	• •	10 CAR(S)	•			•			
		*									
	PROBABLE	CAUSE: BE	oken journ	IAL ON COVERED HO	PPER CAR (BN 436141).	*	•			
	,									· .	
		•									
ATK	06/05/80	8:17 PM	BALTIMORE		MD	DERAILMENT		0	0		\$94,550
CR											
	TYPE OF T	RACK:		MAIN					-		
	CLASS OF	TRACK:	• *	1							
50	METHOD OF	OPERATION		CAB SIGNAL		MOVEMENTS INVOLVED:	FREIGHT	TRAIN		X7831	15 MPH
	POUT DMENT	DEDATIEN		AUTOMATIC BLOCK 11 CAR(S)							
	EGO TELIENT	DEKALLED	•	II CAR(3)	••						
	DD OD ADI E	CAUCE. T	നാ∩വലാ അം∧	ATM HANDITMO DIE	ጥለ ፤፤ሮፑ ለፑ ፤	HEAVY DYNAMIC BRAKING.		•			
	FRUDADILE	CAUSE: II	TEROFER IRA	AIN HANDLING DOE	TO USE OF	MEAVI DINAMIC BRAKING.					
LA	06/06/80	2:20 AM	GARLAND		TX	DERAILMENT		0	3		\$83,377
			,			·		•	•		
	TYPE OF T	RACK:		MAIN							
	CLASS OF	TRACK:		2							
51	METHOD OF	OPERATION	1:	YARD RULES		MOVEMENTS INVOLVED:	FREIGHT	TRAIN		X4008	16 MPH
				TIME TABLE TRAIN ORDERS							
	EOU I PMENT	DERATLED	.	10 CAR(S)							
				2		. ,					
´+					w 202/1\	. "					
	PROBABLE	CAUSE: TA	ANK CAR WAS	6 OFF-CENTER (WRN	x 30241).						

	M 2 T URE OF TRA REAR-END PREMATUR	2 LOCOMOT 2 CAR(S) 1 CABOOSE IN CREW (N	NO. 209) TO OPE DEVICE WAS MISS ED FROM THE STA	MOVEMENTS RATE THE TRAI	IN IN COMPL	FREIGHT TRAIN FREIGHT TRAIN IANCE WITH SIG	GNAL INDIC	\$57,150 101 0 MPH 209 21 MPH CATIONS. AL MARKERS WERE
F TRACK: OF OPERATION: NT DERAILED: E CAUSE: FAILE UTING FACTOR:	Z T URE OF TRA REAR-END PREMATUR	RAFFIC CON 2 LOCOMOT 2 CAR(S) 1 CABOOSE IN CREW (N	FIVE UNIT(S) E(S) NO. 209) TO OPE DEVICE WAS MISS ED FROM THE STA	RATE THE TRAI	IN IN COMPL	FREIGHT TRAIN IANCE WITH SIGNAL AND REFLECTOR	GNAL INDIC	209 21 MPH
OF OPERATION: NT DERAILED: E CAUSE: FAILE UTING FACTOR:	T URE OF TRA REAR-END PREMATUR	RAFFIC CON 2 LOCOMOT 2 CAR(S) 1 CABOOSE IN CREW (N MARKING D	FIVE UNIT(S) E(S) NO. 209) TO OPE DEVICE WAS MISS ED FROM THE STA	RATE THE TRAI	IN IN COMPL	FREIGHT TRAIN IANCE WITH SIGNAL AND REFLECTOR	GNAL INDIC	209 21 MPH
E CAUSE: FAIL	URE OF TRA REAR-END PREMATUR	2 CAR(S) 1 CABOOSE IN CREW (N MARKING D	E(S) NO. 209) TO OPE DEVICE WAS MISS ED FROM THE STA	ING FROM STAN	IN IN COMPL	IANCE WITH SIC	GNAL INDIC	CATIONS.
UTING FACTOR:	REAR-END PREMATUR	MARKING D	DEVICE WAS MISS	ING FROM STAN	NDIŅG TRAIN	AND REFLECTOR	RIZED META	
UTING FACTOR:	REAR-END PREMATUR	MARKING D	DEVICE WAS MISS	ING FROM STAN	NDIŅG TRAIN	AND REFLECTOR	RIZED META	
	PREMATUR		ED FROM THE STA		. 1		•	AL MARKERS WERE
7:15 AM G	RAYS LAKE							
0 7:15 AM G	RAYS LAKE		. *					
			IL .	RAIL-HWY	CROSSING	. 0	18	\$310,535
	1							
			SLOCK	MOVEMENTS	INAOFAED:	PASSENGEK TRA	LN	2112 55 MPH
NT DERAILED:	1	NONE						j
				NING OF CROSS	ING PROTEC	TION DEVICES A	AND DROVE	THE VEHICLE IN FRO
09:50 AM SM	1ALL		TX	DERAILMEN	T	0	.0	\$1,051,800
TRACK: OF OPERATION:	4 Ti	RAFFIC CON	TROL	MOVEMENTS	INVOLVED: 1	FREIGHT TRAIN	, X	K9119 47 MPH
֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	F TRACK: OF OPERATION: NT DERAILED: E CAUSE: MOTOR OF TRACK: TRACK: F TRACK: OF OPERATION: NT DERAILED:	F TRACK: 1 OF OPERATION: A OF OPERATION: A OF OPERATION: 1 OF THE APPROACH OF THE APPROACH OF TRACK: MA OF TRACK: MA OF OPERATION: TI OF OPERATION: TI OF OPERATION: TI	F TRACK: 1 OF OPERATION: AUTOMATIC I OF OPERATION: NONE E CAUSE: MOTORIST FAILED TO COMPI OF THE APPROACHING TRAIN O 09:50 AM SMALL TRACK: MAIN F TRACK: 4 OF OPERATION: TRAFFIC CON NT DERAILED: 27 CAR(S)	F TRACK: OF OPERATION: AUTOMATIC BLOCK NOT DERAILED: NONE C CAUSE: MOTORIST FAILED TO COMPLY WITH THE WARD OF THE APPROACHING TRAIN. TX TRACK: MAIN F TRACK: OF OPERATION: TRAFFIC CONTROL NT DERAILED: 27 CAR(S)	F TRACK: 1 OF OPERATION: AUTOMATIC BLOCK MOVEMENTS NT DERAILED: NONE E CAUSE: MOTORIST FAILED TO COMPLY WITH THE WARNING OF CROSS OF THE APPROACHING TRAIN. D 09:50 AM SMALL TX DERAILMEN TRACK: MAIN F TRACK: 4 OF OPERATION: TRAFFIC CONTROL MOVEMENTS	F TRACK: OF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: NOT DERAILED: NONE C CAUSE: MOTORIST FAILED TO COMPLY WITH THE WARNING OF CROSSING PROTEC OF THE APPROACHING TRAIN. O 09:50 AM SMALL TX DERAILMENT TRACK: MAIN F TRACK: 4 OF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: TO DERAILED: 27 CAR(S)	F TRACK: OF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: PASSENGER TRAIN OF THE APPROACHING TRAIN. OF THE APPROACHING TRAIN. TX DEFAILMENT OF TRACK: MAIN F TRACK: 4 OF OPERATION: TRAFFIC CONTROL TRACK(S)	F TRACK: 1 DF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: PASSENGER TRAIN NT DERAILED: NONE CAUSE: MOTORIST FAILED TO COMPLY WITH THE WARNING OF CROSSING PROTECTION DEVICES AND DROVE OF THE APPROACHING TRAIN. D 09:50 AM SMALL TX DERAILMENT O 0 TRACK: MAIN F TRACK: 4 DF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: FREIGHT TRAIN TO DERAILED: 27 CAR(S)

	06/17/80 6:45 PM HAMMOND		LA	DERAILMENT	0	0	\$46,750
	TYPE OF TRACK:	MAIN					
	CLASS OF TRACK:	1			• .		
55	METHOD OF OPERATION:	AUTOMATIC BLOCK YARD RULES		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X8035	8 МРН
	,	TIME TABLE TRAIN ORDERS	٠				
	EQUIPMENT DERAILED:	6 CAR(S)	y at	, , , , , , , , , , , , , , , , , , ,	,		
		• •	•		•		
	PROBABLE CAUSE: INTERACTION	OR LATERAL /VERTIC	AT FORCES	ON A 10-DECREE 30-MIN	HTE CHRVE.		
	FRODABLE CAUSE: INTERACTION	OF LAIERAL/VERIL	AL PORCES	ON R TO BEGREE, 50 HIP	OIH CORVE	9.1	
				· · · · · · · · · · · · · · · · · · ·			
EJE	06/21/80 11:45 AM GARY		TN	HEAD-END COLLISION	1	4	\$125,000
USSC	00/21/00 11:43 AM GARI		TIN				0123,000
05,00		a.		,	• • • • • • • • • • • • • • • • • • • •		
	TYPE OF TRACK: CLASS OF TRACK:	INDUSTRY					
	CLASS OF TRACK:	1					
56	METHOD OF OPERATION:	YARD RULES		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	449	12 MPH 8 MPH
1	EQUIPMENT DERAILED:	2 LOCOMOTIVE U	INTT(C)		FREIGHT TRAIN	USS90	8 МЪН
•	EQUIPMENT DERAILED:	3 CAR(S)	MII(3)				
	PROBABLE CAUSE: FAILURE OF	CDENT (TIES OUT TO	אססס הארשרים	POS SOURD SUTTOH PREPARE	የበ ፕር ፍፕርው		
	PRODUCE CAUSE: PATROKE OF	CREW (035 90) 10 F	HIROMON C	RODDOVIK SWIIOH IRLIAM	ip 10 blot.		
	CONTRIBUTING FACTOR: THE F			ILWAY FAILED TO INSURE	THAT U.S. STEEL	COMPANY CREWS	KNEW OF AN
			DECKALING I	KULFA		•	*
		IED WITH CARRIER (
 ВО	COMPI	, 	MD	DERAILMENT	0	1	\$29,500
во		, 	MD		0	1	\$29,500
во	COMPI 	BURG	MD		0	1	\$29,500
во	COMPI 06/23/80 03:13 PM GAITHERS TYPE OF TRACK:	BURG MAIN	MD		0	I	\$29,500
	COMPL 06/23/80 03:13 PM GAITHERS TYPE OF TRACK: CLASS OF TRACK:	BURG MAIN 2		DERAILMENT	·		
во 57	COMPI 06/23/80 03:13 PM GAITHERS TYPE OF TRACK:	BURG MAIN		DERAILMENT	·		
	COMPL 06/23/80 03:13 PM GAITHERS TYPE OF TRACK: CLASS OF TRACK:	BURG MAIN 2 AUTOMATIC BLOCK		DERAILMENT	·		
	COMPL 06/23/80 03:13 PM GAITHERS TYPE OF TRACK: CLASS OF TRACK: METHOD OF OPERATION:	BURG MAIN 2 AUTOMATIC BLOCK		DERAILMENT	·		

	DATE	TIME 	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	06/27/80	3:55 AM	MEMPHIS		TN	DERAILMENT	0	3	\$2,200
	TYPE OF T	RACK:	*	YARD					
8	CLASS OF METHOD OF	TRACK: OPERATION	:	1 AUTOMATIC BLOCK YARD RULES.		MOVEMENTS INVOLVED:	PASSENGER TRAIL	1	59 10 MPH
	EOUTPMENT	DERAILED:	• •	TIME TABLE TRAIN ORDERS 2 CAR(S)		•			
	EQUIPMENT	DERAILED.		Z CAR(3)				-	
	PROBABLE	CAUSE: WO	RN SWITCH	POINT.					
м М	06/27/80	03:15 PM	EDGEMONT	· , · .	MD	DERAILMENT	· 0	0 -	\$356,900
/	TYPE OF T	RACK:		MAIN 3					
•	METHOD OF	OPERATION		AUTOMATIC BLOCK 37 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X4 3	363 51 MPH
	PROBABLE (CAUSE: EX	CESSIVE SP	eed on a 5-degree	, 15-MINUT	CURVE. SPEED WAS R	ESTRICTED TO 35	MPH.	
			: INACCU			E CURVE. SPEED WAS RECONTROLLING LOCOMOTIC			O CREW NOT QUALIF
 -	CONTRIBUT		: INACCU IN ROA	RATE SPEED INDICA					O CREW NOT QUALIF
0	O7/02/80	ING FACTOR	: INACCU IN ROA	RATE SPEED INDICA	TOR ON THE	CONTROLLING LOCOMOTI	VE UNIT, AND USE	OF A YARI	
)	CONTRIBUT	2:50 PM	: INACCU IN ROA	RATE SPEED INDICA	TOR ON THE	CONTROLLING LOCOMOTI	VE UNIT, AND USE	OF A YARI	
	O7/O2/80 TYPE OF THE CLASS OF	2:50 PM	: INACCU IN ROA ENSEL	RATE SPEED INDICA D SERVICE. MAIN 4 AUTOMATIC BLOCK TIME TABLE	TOR ON THE	CONTROLLING LOCOMOTI	VE UNIT, AND USE	2 OF A YARI	
	O7/O2/80 TYPE OF THE CLASS OF THE METHOD OF	2:50 PM	: INACCU IN ROA ENSEL	RATE SPEED INDICA D SERVICE. MAIN 4 AUTOMATIC BLOCK	TOR ON THE	CONTROLLING LOCOMOTIC	VE UNIT, AND USE	2 OF A YARI	\$85,200
)	O7/O2/80 TYPE OF THE CLASS OF THE METHOD OF EQUIPMENT	2:50 PM RACK: FRACK: OPERATION DERAILED:	: INACCU IN ROA ENSEL	MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 12 CAR(S)	TOR ON THE	DERAILMENT MOVEMENTS INVOLVED:	VE UNIT, AND USE	2 OF A YARI	\$85,200

R CODE	DATE TIME CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	07/08/80 6:55 PM MAXON	·	KY	DERAILMENT	0	0 .	\$274,700
	TYPE OF TRACK:	MAIN					
61	CLASS OF TRACK: METHOD OF OPERATION: EQUIPMENT DERAILED:	4 TRAFFIC CONTROL 19 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X6015	. 42 MPH
	SQUITTERNI BERGILLES	15 0141(2)		·			
	PROBABLE CAUSE: RAIL BUCK	LED DUE TO THERMAL (COMPRESSIVE	FORCES.			
	CONTRIBUTING FACTOR: THE RAI	CARRIER FAILED TO A		136-POUND CONTINUOUS	WELDED RAIL TO 70	DEGREES FAH	RENHEIT WHEN
ATK	07/09/80 06:36 PM LINDEN		NJ	RAKING COLLISION	1	18	\$30,000
	TYPE OF TRACK:	MAIN					
	CLASS OF TRACK: METHOD OF OPERATION:	6 CAB SIGNAL			PASSENGER TRAIN WORK TRAIN	225 X4934	50 MPH 35 MPH
62	METHOD OF OFERRITON.	AUTOMATIC BLOCK				11.75	05
62	EQUIPMENT DERAILED:	AUTOMATIC BLOCK NONE	-			-	55
62		NONE	-			~	
·	EQUIPMENT DERAILED:	NONE F BUFFER RAIL WAS PR	ROTRUDING F			~	\$690,000
62 BN	EQUIPMENT DERAILED: PROBABLE CAUSE: A PIECE OF	NONE F BUFFER RAIL WAS PR	ROTRUDING F	ROM A CAR ON THE WORK	TRAIN (EXTRA 493	4).	

	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
	,								
W	07/15/80	05:06 PM	WILLIAMS	PORT	IN	DERAILMENT	0	2	\$301,600
	TYPE OF T	TRACK:		MAIN					
	-	TRACK:	_	4 TRAFFIC CONTRO	•	MOVEMENTS INVOLVED:	EDETATE TO ATM	X1370	60 MPH
•		OPERATION DERAILED:		20 CAR(S)	L	MOVEMENTS INVOLVED:	FREIGHI IRAIN	, ,	·
	PROBABLE					ONTINUOUS WELDED RAIL. SPECT FOR TRAIN EXTRA		REMAINED IN	TACT PERMITTI
									
₹	07/17/80	7:56 AM	NORTH WAI	34	PA	REAR-END COLLISION	0	99	\$1,398,812
	•			Same Sign			$(2) \qquad \stackrel{(V_{ij}) \rightarrow V_{ij}}{=} (p_i \stackrel{(V_{ij})}{=} p_i)$	0	, ·
	TYPE OF T	RACK:		MAIN			• •	•	
	CLASS OF			3					
i	METHOD OF	OPERATION	:	MANUAL BLOCK AUTOMATIC BLOCK TIME TABLE		MOVEMENTS INVOLVED:	PASSENGER TRAIN PASSENGER TRAIN	406 472	•
						ه د			
				TRAIN ORDERS					
	EQUIPMENT	DERAILED:		4 LOCOMOTIVE	UNIT(S)				
-	•	CAUSE: FA		4 LOCOMOTIVE		HE TRAIN SPEED IN ACCOR	RDANCE WITH SIGNA	L INDICATION	S AND VISIBII
-	PROBABLE	CAUSE: FA	ILURE OF C NDITIONS. : THE EN	4 LOCOMOTIVE REW (NO. 472) TO GINEER OF TRAIN	O CONTROL T	HE TRAIN SPEED IN ACCOR S OPERATING THE TRAIN I PPED ON THE MAIN TRACK	FROM THE SECOND U	NIT DUE TO M	
-	PROBABLE CONTRIBUT	CAUSE: FA COI ING FACTOR	ILURE OF CONDITIONS. THE EN	4 LOCOMOTIVE REW (NO. 472) TO GINEER OF TRAIN MS. TRAIN NO. 4	O CONTROL T NO. 472 WA 406 WAS STO	S OPERATING THE TRAIN I	FROM THE SECOND U	NIT DUE TO M	
-	PROBABLE CONTRIBUT	CAUSE: FA	ILURE OF CONDITIONS. THE EN	4 LOCOMOTIVE REW (NO. 472) TO GINEER OF TRAIN MS. TRAIN NO. 4	O CONTROL T	S OPERATING THE TRAIN I	FROM THE SECOND U	NIT DUE TO M	
-	PROBABLE CONTRIBUT	CAUSE: FA COI ING FACTOR 9:35 AM	ILURE OF CONDITIONS. THE EN	4 LOCOMOTIVE REW (NO. 472) TO GINEER OF TRAIN MS. TRAIN NO. 4	O CONTROL T NO. 472 WA 406 WAS STO	S OPERATING THE TRAIN PRED ON THE MAIN TRACK	FROM THE SECOND U	NIT DUE TO M L PROBLEMS.	ECHANICAL
-	PROBABLE CONTRIBUT	CAUSE: FA COI ING FACTOR 9:35 AM	ILURE OF CONDITIONS. THE EN	4 LOCOMOTIVE REW (NO. 472) TO GINEER OF TRAIN MS. TRAIN NO. 4	O CONTROL T NO. 472 WA 406 WAS STO	S OPERATING THE TRAIN PRED ON THE MAIN TRACK	FROM THE SECOND U	NIT DUE TO M L PROBLEMS.	ECHANICAL .
-	PROBABLE CONTRIBUT 07/21/80 TYPE OF TICLASS OF METHOD OF	CAUSE: FA COI ING FACTOR 9:35 AM	ILURE OF CONDITIONS. THE EN PROBLE STANTON	4 LOCOMOTIVE REW (NO. 472) TO GINEER OF TRAIN MS. TRAIN NO. 4	O CONTROL T NO. 472 WA 406 WAS STO	S OPERATING THE TRAIN PRED ON THE MAIN TRACK	FROM THE SECOND U. DUE TO MECHANICA	NIT DUE TO M L PROBLEMS.	ECHANICAL .

BEFORE THE CREW REMOVED A SECTION OF RAIL.

CODE	DATE	TIMÈ	CITY		STATE	ACCIDENT 1	TYPE		KILLED	INJU	RED	RR DAMAGE
CG	07/26/80	7:58 AM	MULDRAUGH		кч	DERAILMENT	:	•	0	4		\$1,136,700
	TYPE OF T	RACK:		MAIN								
,	CLASS OF		N7.	3 AUTOMATIC BLOCK	•	MOVEMENTS 1		HDH T CHIM	MD 4 7 37		.,	/ 1 venus
	METHOD OF	OPERALIO	N:	TIME TABLE		MOVEMENTS 1	INVOLVED:	FREIGHI	IKAIN		64	41 MPH
	EOUIPMENT	DEDATIED		TRAIN ORDERS 4 LOCOMOTIVE					•			
	EQUITMENT	DERKILED	•	17 CAR(S)	ONII(S)							
						,						
	PROBABLE (FORCE PRODUÇED B								
			F ELEVATION HE GAGE.	WAS SUFFICIENT	TO ROLL THE	HIGH RAIL OU	JTWARD AN	D CAUSE	THE LOC	OMOTIVE	WHEELS	TO DROP INS
		_				0.00.100						
	CONTRIBUT	ING FACTO	R: MAXIMU	M AUTHORIZED TRA	IN SPEED WA	S 30 MPH.						
	07/30/80	5:00 AM	MEEKERS		ОН	REAR-END (COLLISION		0	1		\$157,390
							•		•			
	TYPE OF T	RACK:		MAIN 4			,					
3	METHOD OF		N:	AUTOMATIC BLOCK	•	MOVEMENTS	INVOLVED:	FREIGHT LIGHT L	TRAIN		X6443	0 мрн
				TIME TABLE TRAIN ORDERS				LIGHT L	oco(s)		X6471	32 MPH
	EQUIPMENT	DERAILED) :	3 LOCOMOTIVE	UNIT(S)							
				3 CAR(S) 1 CABOOSE(S)								
					MO 0000 4 Mm	WWW. T.O.O.O.YO.W.		am TV 40	00D D 4 370		m Tr (T m	n Thomasiam.
	PROBABLE		ALLUKE OF C	CREW (EXTRA 6471) INDICATION.	TO OPERATE	THE LOCOMOT.	IVE CONST	ST IN AC	CORDANC	E WITH	TIMETABL	E INSTRUCT
ı	07/31/80	09-20 AM	DAVENPORT	'	NE	DERAILMEN	,		0 .	n		\$318,569
	07/31/00	07.20 11.	birthir or ;	•	11.2				Ü	v		γ σ1σ , 5σ5
	TYPE OF T	RACK:	;	MAIN								
_	CLASS OF	TRACK:										
)	METHOD OF EQUIPMENT		N:	TRAFFIC CONTROL	1	MOVEMENTS	INVOLVED:		TRAIN		X3054	52 MPH
	200 TITINIT		•	10 O.M.(0)	-			43				
					-							•

	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	07/31/80	9:42 PM	CROTON	HARMON	NY	REAR-END COLLISION	0	32	\$700
70	TYPE OF T CLASS OF METHOD OF		:	MAIN 1 INTERLOCKING AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	PASSENGER TRAIN PASSENGER TRAIN		0 мрн 5 мрн
	EQUIPMENT	DERAILED:		NONE					
	PROBABLE	CAUSE: FA	ILURE OF	CREW (NO. 785) TO	OPERATE T	E TRAIN IN COMPLIANCE	WITH SIGNAL INDI	CATION.	
во	08/19/80	2:57 PM	HAYDEN		IN	DERAILMENT	0	0	\$277,200
71				MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 23 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3816	55 МРН
		CA	RS TO DEL THE L SAFE	RAIL. FIRST CAR TO DERAII	. HAD SIDE	TIPPED THE SOUTH RAIL BEARING CLEARANCE WHICTURE HAD BEEN DISTUR	CH SLIGHTLY EXCEE	DED FEDERAL 1	FREIGHT CAR
BN	CONTRIBUT	CA	RS TO DE	RAIL. FIRST CAR TO DERAII FY STANDARDS. THE ACCIDENT AREA.	. HAD SIDE	BEARING CLEARANCE. WHICTURE HAD BEEN DISTUR	CH SLIGHTLY EXCEE BED BY INSTALLATI	DED FEDERAL 1	FREIGHT CAR
BN 72	O8/20/80 TYPE OF TI CLASS OF TI METHOD OF	CAI ING FACTOR 7:59 AM RACK:	RS TO DE	RAIL. FIRST CAR TO DERAII FY STANDARDS. THE ACCIDENT AREA.	HAD SIDE TRACK STRU	BEARING CLEARANCE WHICTURE HAD BEEN DISTURE DERAILMENT	CH SLIGHTLY EXCEE BED BY INSTALLATI	DED FEDERAL 1 ON OF FIVE N	FREIGHT CAR EW CROSSTIES I

	DATE	TIME 	CITY		STATE	ACCIDENT TYPE		KILLED	INJURED	RR DAMAGE
TSF	08/20/80	10:30 AM	AUGUSTA	,	KS	SIDE COLLISION		0	0	\$7,880
		RACK:		MAIN 5						
3	CLASS OF '	OPERATION:	:	AUTOMATIC BLOCK YARD RULES		MOVEMENTS INVOLVED:	FREIGHT CUT OF		348T1	33 MPH 0 MPH
	EQUIPMENT	DERAILED:		NONE						
	PROBABLE			DISPLAYED A FALSE SWITCH FOULING C		DICATION PERMITTING	FREIGHT	TRAIN 3487	TI TO STRIKE	A CUT OF CARS W
	CONTRIBUT	ING FACTOR		·		INE IF THE CUT OF CA	RS CLEAR	ED THE MA	IN TRACK. I	MPROPER
 NW	08/21/80	11:30 PM	DES MOINE	s ·	IA	DERAILMENT	~ <u>_</u>	0	2	\$19,650
	TYPE OF T			MAIN						
ı	CLASS OF 'METHOD OF	TRACK: OPERATION:		3 YARD RULES TIME TABLE		MOVEMENTS INVOLVED:	FREIGHT	TRAIN	X4621	15 мрн
4				TRAIN ORDERS						
4		DERAILED:		TRAIN ORDERS 2 CAR(S) 1 CABOOSE(S)						·
	EQUIPMENT			TRAIN ORDERS 2 CAR(S)	CURVE.					
	EQUIPMENT PROBABLE		CESSIVE SP	TRAIN ORDERS 2 CAR(S) 1 CABOOSE(S) EED ON A 3-DEGREE	OADED COVER	ED HOPPER CAR (CNW 1 ERED HOPPER CAR.	70872) A	T A CRITIC	CAL TRAIN SP	EED AND A RIGID
CR ATK	EQUIPMENT PROBABLE CONTRIBUT	CAUSE: EXC	CESSIVE SP : HARMON TRUCK	TRAIN ORDERS 2 CAR(S) 1 CABOOSE(S) EED ON A 3-DEGREE IC ROCKING OF A I UNDER THE "A" ENI	OADED COVER	ERED HOPPER CAR.	70872) A	T A CRITIC	CAL TRAIN SP	EED AND A RIGID \$16,850
	EQUIPMENT PROBABLE CONTRIBUT 08/25/80 TYPE OF T	CAUSE: EXC ING FACTOR 5:56 PM	CESSIVE SP : HARMON TRUCK	TRAIN ORDERS 2 CAR(S) 1 CABOOSE(S) EED ON A 3-DEGREE IC ROCKING OF A I UNDER THE "A" ENI HIA MAIN	OADED COVER	ERED HOPPER CAR.	70872) A			
	EQUIPMENT PROBABLE CONTRIBUT 08/25/80 TYPE OF T CLASS OF	CAUSE: EXC ING FACTOR 5:56 PM	CESSIVE SP : HARMON TRUCK PHILADELP	TRAIN ORDERS 2 CAR(S) 1 CABOOSE(S) EED ON A 3-DEGREE IC ROCKING OF A I UNDER THE "A" ENI	OADED COVER OF THE COV PA	ERED HOPPER CAR.		0	0	

						•			•
R CODE	DATE	TIME	CITY	، سخت سد چدید و ، ۱۹ ما الدائد اند است سد سدور ،	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGI
BN	08/26/80	7:55 PM	FERMOY	- • •	MN	DERAILMENT	o	0	\$1,229,900
76				MAIN 2 TRAFFIC CONTROL 47 CAR(S)	L	MOVEMENTS INVOLVED: F	REIGHT TRAIN	x2097	36 MPH
•	PROBABLE	CAUSE: EX	CESSIVE S	SLACK ACTION IN A	LOADED ORE	TRAIN CAUSED THE 88TH T	THROUGH THE 134	TH CARS TO DE	RAIL.
P TK	08/28/80	2:55 AM		of six	CA	DERAILMENT	0	4	\$41,681
77				SIDING 1 TRAFFIC CONTROL 1 LOCOMOTIVE 11 CAR(S)		MOVEMENTS INVOLVED: P	ASSENGER TRAIN	. 11	7 MPF
 ÆC	CONTRIBUT	ING FACTOR	: THREE	SIX-AXLE LOCOMO		ON A 10-DEGREE CURVE OV	,		· · · · · · · · · · · · · · · · · · ·
1EC	00/28/80	UI:IU AM	EAST ST	JOHNSBUKI	VI	DERAILMENT		2	\$52,600
78		•	:	MAIN 2 TIME TABLE TRAIN ORDERS 6 CAR(S) 1 CABOOSE(S)		MOVEMENTS INVOLVED: F	REIGHT TRAIN	EX406	25 МРН
	PROBABLE	CAUSE: IR	REGULAR T	RACK ALIGNMENT.		•			
	CONTRIBUT	ING FACTOR		ID-ORDINATE AT TH	E POINT OF	DERAILMENT MEASURED 8.9	INCHES AND AT	62 FEET EAST	, IT MEASUR

CODE	DATE TIME CITY		STATE	ACCIDENT TYPE		KILLED	INJURED	RR DAMAGE
MILW BN	08/29/80 06:00 AM ST. CRO	•	MN	REAR-END COLI	LISION	0	4	\$137,300
	TYPE OF TRACK:	MAIN	-					
79	CLASS OF TRACK: METHOD OF OPERATION:	3 AUTOMATIC BLOCK		MOVEMENTS INVO	LVED: FREIGHT	TRAIN	X7114 EX150	0 MPH
	EQUIPMENT DERAILED:	2 LOCOMOTIVE (2 CAR(S) 1 CABOOSE(S)			FREIGHT	TRAIN	EXIO	13 МРН
	PROBABLE CAUSE: FAILURE OF	•	AST) TO OP	ERATE THE TRAIN	IN ACCORDANCE	WITH SIG	NAL INDICATION	is.
 BN			 IL	DERAILMENT		· ·	. 0	\$690,000
		<u> </u>				· .	· ·	4030,000
~. <i>_</i>	TYPE OF TRACK: CLASS OF TRACK:	MAIN 4						•
80	METHOD OF OPERATION:	TRAFFIC CONTROL				TRAIN	X6321	55 MPH
	EQUIPMENT DERAILED:	TRAIN ORDERS 41 CAR(S)		* , * .				
	PROBABLE CAUSE: BOLT HOLE	CRACKS IN A SECTION	N OF 129-P	OUND RAIL.	•		•	
-	CONTRIBUTING FACTOR: LOOS	SE TRACK BOLTS.						·
NW LN	09/03/80 3:05 PM TACOMA	: :	VA	REAR-END COL	LISION	0	2	\$25,000
	TYPE OF TRACK: CLASS OF TRACK:	MAIN 3						
81	METHOD OF OPERATION:	TRAFFIC CONTROL	•	MOVEMENTS INVO	CLVED: FREIGHT FREIGHT		X8005 X3556	0 MPH 15 MPH
	EQUIPMENT DERAILED:	1 CAR(S) 1 CABOOSE(S)			1			••
	PROBABLE CAUSE: FALSE PROC	CEED SIGNAL WAS DIS	PLAYED FOR	TRAIN EXTRA 355	6W •			٠.

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	09/04/80	4:35 AM	COOKS POI	NT	TX	DERAILMENT	0	0	\$771,900
82				MAIN 4 AUTOMATIC BLOCK TRAFFIC CONTROL TIME TABLE TRAIN ORDERS 25 CAR(S)	· .	MOVEMENTS INVOLVED:	FREIGHT TRAIN	248	45 МРН
	PROBABLE	CAUSE: CO	MBINATION	OF TRAIN HANDLING	AND CROSS-L	EVEL DEVIATION.			
	CONTRIBUT	ING FACTOR	: THE LO	COMOTIVE WAS ON A	SLIGHTLY AS	SCENDING GRADE AND THEFERENCE OF 1.56 INCH	E REAR OF THE TR	AIN WAS ON A 62 FEET.	DESCENDING
				, 					
NW	09/06/80	8:17 AM	FARM		wv	SIDE COLLISION	3	0	\$1,398,262
83				MAIN 3 TRAFFIC CONTROL TIME TABLE TRAIN ORDERS 4 LOCOMOTIVE U. 14 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X8075 X1589	38 MPH . 10 MPH
	PROBABLE	CAUSE: FAI	LURE OF C	REW (EXTRA 8075)	TO OPERATE T	THE TRAIN IN COMPLIAN	CE WITH SIGNAL I	NDICATIONS.	
во	09/08/80	4:20 PM	SUMNER		IL	DERAILMENT	0	0	\$460,000
84				MAIN 4 AUTOMATIC BLOCK 40 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	x4202	50 МРН
	PROBABLE	CAUSE: UNI	DETERMINE D	•				·	

CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	09/09/80	10:00 AM	AGNEW		IL	DERAILMENT	0	0	\$287,000
35	TYPE OF T CLASS OF METHOD OF		: •	MAIN 4 CAB SIGNAL TIME TABLE AUTO TRAIN CONTR	OI.	MOVEMENTS INVOLVED:	FREIGHT TRAIN	x5057	35 мрн
	EQUIPMENT	DERAILED:	The state of			and the state of the state of	one on the man	Park Strain	
	PROBABLE	CAUSE: OV	ERHEATING	AND FAILURE OF TH	E L-2 PLA	IN BEARING JOURNAL ON	A GONDOLA CAR (CE	. 533711).	
30	09/17/80	7:00 AM	ROWLESBUF	RG	wv	DERAILMENT -	0	0	\$137,200
36				MAIN 3 AUTOMATIC BLOCK 40 CAR(S)		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X4255	27 MPH
	PROBABLE	CAUSE: TR	ACK ALĮGNI	MENT IN THE 9-DEGR	кее, 30-мі	NUTE CURVE VARIED 3.5	INCHES.		
ATK ATSF	09/17/80	3:17 PM	CHICAGO		IL ·	DERAILMENT	0	7	\$596,600
.00	TYPE OF T			MAIN 2					
87	CLASS OF METHOD OF	OPERATION	:	INTERLOCKING TRAFFIC CONTROL TIME TABLE		MOVEMENTS INVOLVED:	PASSENGER TRAIN FREIGHT TRAIN CUT OF CARS	4 7	30 MPH 10 MPH 0 MPH
		DERAILED:		TRAIN ORDERS 3 LOCOMOTIVE U 5 CAR(S)	NIT(S)				
,	PROBABLE	CAUSE: WI	DE GAGE (4	FEET, 10.125 INC	HES).			•	
		•	, ,	ORATED TIES AND L		DT A INTRO	• •		-

CODE	DATE TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
0	09/17/80 9:35 PM	HOWARD		PA	DERAILMENT	0	0	\$495,000
	TYPE OF TRACK:		MAIN				×.	
3	CLASS OF TRACK: METHOD OF OPERATION	:	3 AUTOMATIC BLOCK TIME TABLE		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X4062	30 МРН
	EQUIPMENT DERAILED:		TRAIN ORDERS 24 CAR(S)					
	PROBABLE CAUSE: BR	OKEN WHEEL	ON TANK CAR (ACI	FX 89834).				
	CONTRIBUTING FACTOR	CRACK	IN THE WHEEL RIM.	. THE FATIG	THE WHEEL FAILED DUE UE WAS INITIATED IN TO OLD DESIGN POURING TE	THE RIM BECAUSE O	ROM A CRITICAL OF A HIGH CONC	SIZE FATIG
	00/00/00 11 00 mg	·			Dun 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0		A630 000
	09/20/80 11:00 PM	SNOHOMISH	¿ JCT.	WA	DERAILMENT	, .	4	\$630,000
	TYPE OF TRACK: CLASS OF TRACK:		MAIN 4			•		٠
	METHOD OF OPERATION EQUIPMENT DERAILED:	:	TRAFFIC CONTROL 5 LOCOMOTIVE U 16 CAR(S)	NIT(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN	x6436	58 MPH
-								
			* *			2		
		RSON OR PE		MANTLED A R	AIL JOINT, SHIFTING T	THE END OF A BUFF	FER RAIL INTO	A POSITION
	DE	RAIL THE T	RAIN.	-	AIL JOINT, SHIFTING T			
	DE	RAIL THE T A BOND A STOP	TAIN. WIRE WAS SPLICED ASPECT.	AROUND THE			SIGNAL SYSTEM	FROM DISPLA
	CONTRIBUTING FACTOR 09/23/80 05:36 PM	RAIL THE T : A BOND A STOP NEW YORK	TAIN. WIRE WAS SPLICED ASPECT.	AROUND THE	DISCONNECTED JOINT,	PREVENTING THE S	SIGNAL SYSTEM	FROM DISPLA
	CONTRIBUTING FACTOR 09/23/80 05:36 PM	RAIL THE T : A BOND A STOP NEW YORK	TAIN. WIRE WAS SPLICED ASPECT. MAIN I INTERLOCKING	O AROUND THE	DISCONNECTED JOINT,	PREVENTING THE S	SIGNAL SYSTEM	FROM DISPLAY

PREVENTED THE TRUCK FROM SWIVELLING.

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	09/25/80	5:20 AM	MENDOTA.		IL	DERAILMENT	. 0	0	\$157,700
	TYPE OF T			MAIN					
91	CLASS OF METHOD OF	OPERATION:	:	4 TRAFFIC CONTROL TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X6912	48 МРН
	EQUIPMENT	DERAILED:		8 CAR(S)					
					: "(•
	PROBABLE	CAUSE: BRO	OKEN WHEEI	ON FLAT CAR (TI	rax 970694)	•			
CNW	09/25/80	04:05 AM	MISSOURI	VALLEY	IA	DERAILMENT	0	2	\$412,000
	TYPE OF T	RACK:		MAIN					
	CLASS OF			3					
92	METHOD OF	OPERATION	:	TRAFFIC CONTROL	<u>.</u>	MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X6873 X6820 -	
	EQUIPMENT	DERAILED:		40 CAR(S)			IRDIOIT IRRIN	70020	10 1111
		CAUSE: IMI	: A 10-F		CATION WAS	6873 EAST). MADE WHILE IN A 3-DEGING THE 61ST CARS TO DERA			
					·			·	
во	09/27/80	7:20 PM	SHELBY		он `	DERAILMENT	0	0	\$269,500
	TYPE OF T	RACK:		MAIN					
	CLASS OF		•	3 .		1/01/F1/F1/F1/F1/F1/F1/F1/F1/F1/F1/F1/F1/F1	WDWT-000M ND 1717	105	10
^^	METHOD OF	OPERATION:		TIME TABLE TRAIN ORDERS		MOVEMENTS INVOLVED:	FREIGHT TRAIN	XW135	40 MPH
93									
93	EQUIPMENT	DERAILED:		34 CAR(S)			_		

RR CODE	DATE	TIME		CITY		STATE	ACCIDENT	TYPE		KILLED	INJURED	RR DAMAGE
CR ATK	09/28/80	2:27	PM	PAOLI		PA ·	DERAILME	VT		0	0	\$192,500
94	TYPE OF TO CLASS OF 'METHOD OF EQUIPMENT	TRACK: OPERA	rion:		MAIN 3 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 24 CAR(S)		MOVEMENTS	INVOLVED:	FREIGHT	TRAIN	PICA7	27 МРН
	,		REC	ENTLY TIEI	AND SURFACED T		LATERALLY	UNDER THE	TRAIN'S	MOVEMENT	DUE TO INSUE	FICIENT BALLAST
NW	09/30/80	3:38	PM	EXCELS IOR		wv	REAR-END	COLLISION		0	0	\$176,000
95	TYPE OF THE CLASS OF THE METHOD OF EQUIPMENT	TRACK: OPERAT			SIDING 2 TRAFFIC CONTROL 3 LOCOMOTIVE	•	MOVEMENTS	INVOLVED:	FREIGHT CUT OF		X1723	26 MPH 0 MPH
	PROBABLE (CAUSE:			4 CAR(S) SONS UNKNOWN OPPRAIN TO ENTER A					IN ADVANC	E OF EXTRA-17	23, CAUSING
FEC	10/01/80	08:15	PM	VERO BEACH		FL	REAR-END	COLLISION		0	0	\$246,288
96	TYPE OF THE CLASS OF THE METHOD OF EQUIPMENT	TRACK: OPERAT			MAIN 4 TRAFFIC CONTROL 2 LOCOMOTIVE N		MOVEMENTS	INVOLVED:	FREIGHT CUT OF		EX424	30 MPH 0 MPH
	PROBABLE (CAUSE:			SONS UNKNOWN OP			CLY IN ADV	ANCE OF	EXTRA 424	, CAUSING IT	TO ENTER AN

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CŔ	10/06/80	12:30 PM	1 ROCKVILLE		он	DERAILMENT	0	0	\$50,750
	TYPE OF T	RACK:		YARD				•	
97	CLASS OF METHOD OF EQUIPMENT	OPERATIO		I INTERLOCKING 4 CAR(S)		MOVEMENTS INVOLVED:	YARD/SWITCHING	Y9138	4 мрн
	PROBABLE					FAILURE OF THE ROUTE		N EFFECTIVE W	HILE YARD JOB
	CONTRIBUT	ING FACTO	THE RO		G RENDERED	URES OF THE RELAYS BY INEFFECTIVE AND CAUSI			
LN	10/07/80	8:15 A	4 CRESTVIEW		FL	REAR-END COLLISION	. 0	2	\$26,514
98	TYPE OF T CLASS OF METHOD OF	TRACK:		MAIN 4 MANUAL BLOCK		MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	400	5 MPH
	EQUIPMENT	DERAILEI):	2 LOCOMOTIVE 1 CAR(S) 1 CABOOSE(S)	UNIT(S)	•	FREIGHT TRAIN	X4115	13 MPH
	PROBABLE	CAUSE: 1	FAILURE OF C	ŔEW (NO. 400) TO	PROVIDE F	AG PROTECTION FOR THE	REAR OF THE TRAI	in.	
LI	10/07/80	8:57 A	1 LYNBROOK		NY	REAR-END COLLISION	0	8	\$516,848
99	TYPE OF T CLASS OF METHOD OF	TRACK:		MAIN 4 AUTOMATIC BLOCK		MOVEMENTS INVOLVED:			
	EQUIPMENT	DERAILEI	D:	TIME TABLE 15 LOCOMOTIVE	UNIT(S)		PASSENGER TRAIN PASSENGER TRAIN		
	PROBABLE	CAUSE: 1	FATLURE OF C	REW (NO. 816) TO	OPERATE T	HE TRAIN IN ACCORDANCE	UTTH SIGNAL IND	r c a t t c nes	

R CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG ATK	10/12/80	7:20 P	M CRYSTAL	SPRINGS	MS	DERAILMENT	0	41	\$450,000
00		TRACK: OPERATI	ON:	MAIN 4 AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS 8 CAR(S)		MOVEMENTS INVOLVED:	PASSENGER TRAIN	58	75 мрн
	PROBABLE	•		WITH TRANSVERSE FA		CKS BROKE UNDER THE TR	AIN.		
[CG	10/13/80		M LORENZO			RAIL-HWY CROSSING	. 1 ,	1	\$92,600
01	TYPE OF T CLASS OF METHOD OF	OPERATI				MOVEMENTS INVOLVED:	PASSENGER TRAIN	300	79 MPH
	EQUIPMENT PROBABLE	CAUSE: 1	MOTORIST FA	1 CAR(S) AILED TO COMPLY WIT DSSING GATE INTO TH		NING OF CROSSING PROTE THE TRAIN.	CTION DEVICES AND	DROVE THE V	EHICLE THROUG
er Atk	10/14/80	09:25 A	M RENSSELA	•		HEAD-END COLLISION	0	1	\$150,000
02	TYPE OF T CLASS OF METHOD OF	RACK: TRACK: OPERATIO	on:	MAIN 5 TRAFFIC CONTROL	<i>(</i>	MOVEMENTS INVOLVED:	PASSENGER TRAIN	62	45 MPH
•	EQUIPMENT	DERAILE	D:	NONE			WORK TRAIN	1282	5 МРН
	PROBABLE	CAUSE:	THE BALLAST	REGULATOR PASSED	A STOP SI	GNAL WITHOUT PERMISSION	N.		
	CONTRIBUT	ING FACTO				IONS TO THE MAINTENANCE CREW OF THE BALLAST REC		ACK OF COMMU	NICATION BETW

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R CODE	DATE	TIME	CITY		STATE	ACCIDENT	TYPE	KILLED	INJURED	RR DAMAGE
UP	10/16/80	3:05 P	M HERMOSA		WY .	REAR-END	COLLISION	2	2	\$758,826
	TYPE OF T	RACK:		MAIN				,		
	CLASS OF			5						
103	METHOD OF			CAB SIGNAL TRAFFIC CONTROL		MOVEMENTS	INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X3557 X3749	
		4 - 4 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		AUTO TRAIN STOP				PREIGHT TRAIN	ASTAD	35 1411
	EQUIPMENT	DERAILE):	3 LOCOMOTIVE U 16 CAR(S) 1 CABOOSE(S)	NIT(S)					
	PROBABLE	CAUSE:	ALLURE OF	CREW (EXTRA 3749)	TO CONTRO	L TRAIN SPEE	O IN COMPL	IANCE WITH RESTR	ICTIVE SIGNAL	INDICATION
MP	10/17/80	03:25 P	4 ST. LOUIS	·	мо	HEAD-END	COLLISION	0	4	\$9,200
						•				
	TYPE OF T			MAIN			79			
.04	CLASS OF METHOD OF	OPERATION	on:	AUTOMATIC BLOCK		MOVEMENTS	INVOLVED:	LIGHT LOCO(S)		8 мрн
				YARD RULES				FREIGHT TRAIN	X1108	8 мрн
	EQUIPMENT	DERAILE):	1 LOCOMOTIVE (NIT(S)				9	
	PROBABLE	CAUSE: -	FAILURE OF	BOTH CREWS TO OPER	ATE THE T	RAINS ACCORD	ING TO YAR	D LIMIT RULES.		
AWP	10/21/80	12:50 P	M TILFORD		GA	REAR-END	COLLISION	0	2	\$218,000
LN						•				i
SCL	TYPE OF T	RACK:		MAIN						
	CLASS OF			2						
105	METHOD OF	OPERATIO)N:	MANUAL BLOCK INTERLOCKING YARD RULES		MOVEMENTS	INVOLVED:	LIGHT LOCO(S) CUT OF CARS FREIGHT TRAIN	323	50 MPH 50 MPH 0 MPH
.03		DERAILE	٠.	6 LOCOMOTIVE U	NIT(S)					•

CONTRIBUTING FACTOR:

THE UNATTENDED LOCOMOTIVE CONSIST MOVED WESTWARD FOR 4,900 FEET AND STRUCK A CUT OF 16 CARS. THE

CARS AND LOCOMOTIVE CONSIST CONTINUED WESTWARD OVER THE GEORGIA RAILROAD TO THE LOUISVILLE AND

NASHVILLE RAILROAD WHERE THE MOVEMENT STRUCK SEABOARD COAST LINE TRAIN NO. 323.

R CODE	DATE	TIME	CITY	,	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	10/23/80	2:20 AM	HOLT		ĆA	DERAILMENT	· · · · · o	0	\$664,000
	•			· ,	•	- 1 .	•		•
	TYPE OF I	DAMZ.	•	MAIN	•				
	CLASS OF		• • • • • • • • • • • • • • • • • • • •	3	•				٦٠-
106		OPERATION	r :	AUTOMATIC BI	LOCK	MOVEMENTS INVOLVE	: FREIGHT TRAIN	X3437	10 MPH
		•		TIME TABLE			,		
		DEDATIED.		TRAIN ORDERS			N	•	•
	EQUIPMENT	DERAILED:		1 CAR(S)	IVE UNIT(S)		. 4		
						,			
			-	,					•
	PROBABLE	CAUSE: WA	SHOUT OF I	TRACK EMBANKME	SNT.	· · · · ,			
						· · · · · · · · · · · · · · · · · · ·			
CR	10/05/00		755777 47 à	•	-	;;	•	,	
CK	10/25/80	6:45 AM	BUFFALO		NY	DERAILMENT	0	0	\$500
			•	e e e e e e e e e e e e e e e e e e e	*	•	•		٠.
	TYPE OF T	RACK:	· * * * * * * * * * * * * * * * * * * *	MAIN	755 ° 1	ALAST LALES TRAVERED	PARTIE AL M. MAACH		er tiga
.á=		TRACK:		I TALL		•			_
L07 -		OPERATION		TRAFFIC CONT 1 LOCOMOTI		MOVEMENTS INVOLVED	: LIGHT LOCO(S)	97C	5 MPH
	EQUIPMENT	DEKATIED:		I LOCOMOII	.ve unii(2)				
		:	3		•		ji.		
•	PROBABLE	CAUSE: FA	ILURE OF C	REW TO CONTRO)L THE TRAIN	SPEED IN ACCORDANCE WI	TH A RESTRICTED S	IGNAL INDICATIO	ON.
	CONTRIBUT	ING FACTOR	: FAILUR	E TO ADEQUATE	LY SECURE TH	HE DERAILMENT ROUTE, AL	LOWED A "PROCEED A	AT RESTRICTED S	SPEED" SIGNAI
			TO BE	DISPLAYED IN		A. THE LIGHT LOCOMOTI			
-			HAD BE	EEN REMOVED.		· · · · · · · · · · · · · · · · · · ·	- +		
				,					·
	•				**		. ,		
	10/25/80	10:05 PM	IIPTON		IN	DERAILMENT	0	1	\$0
T.N	10/23/00	10.05 111					· ·	=	•
LN				edito control	•	CBATOAN BLANKARON	FEEL THE TEATH	X52 cc.	\$2 K93
LN		SECut	ડોંબ રેડ્	Transfer to the Control of the Control					
LN	TYPE OF T	RACK:	·	MAIN	· ·				
	TYPE OF T	rack: track:	¥ .	MAIN 3				* .	
	TYPE OF T	RACK:	¥ .	MAIN		MOVEMENTS INVOLVED		2/761	30 MPH
	TYPE OF T	RACK: TRACK: OPERATION	. ·	MAIN 3 AUTOMATIC BL	OCK	,	: FREIGHT TRAIN FREIGHT TRAIN	2/761 1/796	30 MPH 0 MPH
	TYPE OF T	rack: track:	. ·	MAIN 3	OCK	,		•	
LN .08	TYPE OF T	RACK: TRACK: OPERATION	. ·	MAIN 3 AUTOMATIC BL 1 LOCOMOTI	OCK	,		•	
	TYPE OF T CLASS OF METHOD OF EQUIPMENT	RACK: IRACK: OPERATION DERAILED:	· · · · · · · · · · · · · · · · · · ·	MAIN 3 AUTOMATIC BL 1 LOCOMOTI 19 CAR(S)	OCK VE UNIT(S)	,	FREIGHT TRAIN	1/796	

THA CODE

	,		5 .				*		j. Grand State of Sta	PAGE	37
R CODE	DATE	TIME	CITY		STATE	ACCIDENT TY	PE	KILLED	INJURED	RR DAMAGE	
CR-	.10/27/80	6:15 PM	ARCOLA	e e e e e e e e e e e e e e e e e e e	IN .	RAIL-HWY CR	OSSING	0	1111111111	\$500	*
109 ;		RACK: TRACK: OPERATION		MAIN 4 TRAFFIC CONTROL		MOVEMENTS IN	/OLVED: FREIGH	T TRAIN	X6296	42 MPH	
	EQUIPMENT	DERAILED:		NONE		· • • • •	• , •			*	
	PROBABLE	CAUSE: FA	AILURE OF M	MOTORIST TO YIELD.	RIGHT-OF-WA	Y TO TRAIN AT	CROSSING.				
	CONTRIBUT	ING FACTOR	SLEET	AND DARKNESS.	* *				· · · · · · · · · · · · · · · · · · ·	,	
ICG ATK	10/30/80	08:40 PM	KANSAS CI	TY JCT.	IL	DERAILMENT		0	6	\$583,000	
110				MAIN 4 TRAFFIC CONTROL 2 LOCOMOTIVE U 7 CAR(S)		MOVEMENTS IN	OLVED: PASSEN	GER TRAIN	21	60 МРН	
	PROBABLE	CAUSE: FA	AILURE OF (CREW TO OPERATE TH	E TRAIN IN	COMPLIANCE WI	ГН А 10-МРН SP	EED RESTR	iction.		
									,		
SLSF	11/01/80	11:15 AM	ST. JAMES	3	МО	DERAILMENT		0	0	\$355,000	
111		TRACK: OPERATION		MAIN 4 TRAFFIC CONTROL 23 CAR(S)		MOVEMENTS IN	OLVED: FREIGH	T TRAIN	EX765	56 МРН	
i.	PROBABLE			AILED AT THE "B" OLLOWER PLATE) FEL			20 92) AND THE	DRAFT ASS	EMBLY (COUPLE	R, YOKE, DRAI	FT

	DATE	TIME	CITY		STATE	ACCIDENT	TYPE	KILLED .	INJURED	RR DAMAGE
ATSF	11/02/80	9:10 PM	BENEDUM		ТX	DERAILMEN	π	0	0	\$218,000
	TYPE OF T	RACK:		MAIN				٠,		
112	CLASS OF METHOD OF	RACK: TRACK: OPERATION	É	3 TIME TABLE TRAIN ORDERS	·	MOVEMENTS	INVOLVED: H	REIGHT TRAIN	x3803	26 мрн
	EQUIPMENT	DERAILED:		11 CAR(S)						
	PROBABLE	CAUSE: BRO	OKEN JOINT	BAR ON 70-POUN	D RAIL.					
~~~~		10 - <u>1</u>	<u>-</u>							
CR ATK	11/07/80	4:12 PM	DOBBS FER	ŖY ,	NY	HEAD-END	COLLISION	0	86	\$687,000
	TYPE OF T	RACK: TRACK:	s ends.	MAIN 3						,
13		OPERATION:		AUTOMATIC BLOC	K	MOVEMENTS	INVOLVED: F	ASSENGER TRAIN REIGHT TRAIN	74 X2806	0 MPH 12 MPH
	EQUIPMENT	DERAILED:		TRAIN ORDERS 2 LOCOMOTIVE 2 CAR(S)		••				
	PROBABLE			PPLY BLOCKING D	EVICES TO S	WITCHES AFFEC	TING TRAFFI	C DIRECTION, AS	INSTRUCTED	BY THE TRAIN
									•	
		DIS	SPATCHER.							· .
 MP	11/11/80	DIS  06:15 PM			TX	DERAILMEN	 T	0	0	\$71,000
 МР	TYPE OF T	06:15 PM	KILDARE	MAIN	TX	DERAILMEN	T	0	0	\$71,000
мр 14	TYPE OF TO	06:15 PM  RACK:  TRACK:  OPERATION:	KILDARE	MAIN 6 TRAFFIC CONTRO 2 LOCOMOTIVE 13 CAR(S)	īL ··			O REIGHT TRAIN		
	TYPE OF TO	06:15 PM  RACK:  TRACK:  OPERATION:  DERAILED:	KILDARE	6 TRAFFIC CONTRO 2 LOCOMOTIVE 13 CAR(\$)	īL ··					
	TYPE OF TO CLASS OF METHOD OF EQUIPMENT	06:15 PM  RACK:  TRACK:  OPERATION:  DERAILED:	KILDARE	6 TRAFFIC CONTRO 2 LOCOMOTIVE 13 CAR(S)	L UNIT(S) TION DUE TO	MOVEMENTS.	INVOLVED: F		X3003	35 MPH

RR CODE	DATE	TIME	CITY	؞ ؞؞ڹ؞ۮڎڎ <u>؞ٷڋڡڔڂڰٷڿ</u> ڂڰڹ	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	11/12/80	2:10 PM	BLACK BUTT	TES	WY	SIDE COLLISION	0	2	\$490,017
. 115	CLASS OF	TYPE OF TRACK: MAIN CLASS OF TRACK: 5 METHOD OF OPERATION: AUTOMA				MOVEMENTS INVOLVED:		X3075	25 MPH
	EQUIPMEN	r DERAILED:	,	2 LOCOMOTIVE 15 CAR(S)	UNIT(S)		FREIGHT TRAIN	х3737	40 МРН
		CAUSE: FA			ROPERLY AI	UMETAFRED) LIGN THE CROSSOVER SWIT	() CH.	Ü	PITTON.
	CONTRIBU	TING FACTOR	OF NEW	HAND-OPERATED C	ROSSOVER W	ING TO TRAIN ORDERS; REVITHOUT NOTIFICATION TO	TRAIN CREWS; AND		
TRRA BN	11/16/80	10:06 PM	GRANITE CI	TTY	IL	DERAILMENT	0	0	<b>\$</b> 0
. 116			:	MAIN 3 INTERLOCKING 1 LOCOMOTIVE		MOVEMENTS INVOLVED:	LIGHT LOCO(S)	x7922	10 мрн
				SED UNDER LOCOMO		IST. Y ENERGIZED, WHICH REND	ERED THE ROUTE LO	OCKING INEFFE	CTIVE.
UP		2:29 PM			CA	REAR-END COLLISION	3	3	\$743,446
117	TYPE OF CLASS OF			MAIN 1 TRAFFIC CONTROL	a ~	MOVEMENTS INVOLVED:	FREICHT TRAIN	<b>x9646</b> .	. 80 мрн
117		T DERAILED:		TIME TABLE TRAIN ORDERS 1 LOCOMOTIVE 23 CAR(S) 2 CABOOSE(S)		HOVERDALD TANGENED	FREIGHT TRAIN	x3119	118 MPH
	PROBABLE	CAUSE: FA	ILURE OF C	REW (EXTRA 3119	WEST) TO I	PROPERLY CONTROL TRAIN	SPEED.		
	CONTRIBU	TING FACTOR	DISPATO	CHED WITH A SING	LE LOCOMOT	A PROPER INITIAL TERMI FIVE UNIT WITH INOPERAT IGURES FOR THE TRAIN WE	IVE DYNAMIC BRAKI		

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED RR DAMAGE
ASAB LN	11/21/80	9:35 PM	COTTONDALI	<b>3</b>	FL	SIDE COLLISION	. 0	0 \$18,150
118	TYPE OF T CLASS OF METHOD OF			MAIN 4 MANUAL BLOCK TIME TABLE	geri - T	MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	X507 5 MPH X1012 3 MPH
	EQUIPMENT	DERAILED:	•	TRAIN ORDERS 2 LOCOMOTIVE 3 CAR(S)	UNIT(S)			
	PROBABLE				012 SOUTH) 1	CO STOP TRAIN AT CROS	SING GATE IN ACCO	RDANCE WITH THE CARRIER'S
CNW	11/24/80	05:09 AM	WAUKEGAN	in the second	IL	DERAILMENT	0	0 \$2,000
119	METHOD OF	TRACK: OPERATION		AUTOMATIC BLOCK	UNIT(S)	MOVEMENTS INVOLVED:	PASSENGER TRAIN	
	PROBABLE	CAUSE: WH	EEL FAILURI ACKS AND AI	CAUSED BY EXTR	EMELY HIGH T D THE STRUCT	EMPERATURES GENERATE TURAL STRENGTH OF THE	D IN FLANGE AREAS WHEEL.	, WHICH INITIATED THERMAL
ICG	11/25/80	6:58 PM	KENNER		LA	RAIL-HWY CROSSING	7 - 12 - 13 - 13 - 13 - 13 - 13 - 13 - 13	5 \$10,000
120	TYPE OF T CLASS OF METHOD OF			MAIN 2 AUTOMATIC BLOCK YARD RULES		MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3070 25 MPH
	EQUI PMENT	DERAILED:		1 LOCOMOTIVE	UNIT(S)			

PROBABLE CAUSE: FAILURE OF THE MOTORIST TO STOP AT THE CROSSING AS REQUIRED BY FEDERAL AND STATE LAW.

	11/26/80 5:45 AM SOCIAL CI	RCLE	GA ×	DERAILMENT	0	2	\$87,896
		*				•	
<b>†</b>	TYPE OF TRACK:	MAIN		•		•	
	CLASS OF TRACK:	4		•			
	METHOD OF OPERATION:	MANUAL BLOCK	77	MOVEMENTS INVOLVED: FREIG	HT TRAIN	277	15 MPH
	A CAS FRA CASA CASA CA	AUTOMATIC BLOC	K .	Forest Charling	,	2	0:0*00
	The little spine to the state of	TRAIN ORDERS	2 7	the season of the state of a part	-in-	æ	org m
	EQUIPMENT DERAILED:						*
					•		
	PROBABLE CAUSE: PLAIN BEARIN	C TOTOMAT PATTE	DE ON TANK C	AD (ACTV E70)			
	FRODABLE CAUSE: FLAIN BEARIN	G JOURNAL FAILU	RE ON TANK C	AR (ACFA 3/0).			
	11/29/80 11:00 AM THRIFT	4	NC	RAIL-HWY CROSSING	1 .	3	\$33,360
							, ,
	TYPE OF TRACK:	MAIN					
	CLASS OF TRACK: METHOD OF OPERATION:	MANUAL PLOCK	•	MOVEMENTS INVOLVED. PREIC	טיי אים אדאו	245	. 25 мон
	METHOD OF OFERALION: 10 (1985)	TIME TABLE		MOVEMENTS INVOLVED. FREIG	HI IKAIN	243	25 MEII
	يه محمد کارو بيت والو	TRAIN ORDERS		· ·	,	The special control of	,
	TOWN DUDING DUDING	***					
	EQUIPMENT DERAILED: 💖	NONE .		•			
	PROBABLE CAUSE: FAILURE OF M	OTORIST TO STOP	AT THE RATE	-HIGHWAY CROSSING.			
	CONTRIBUTING FACTOR: THE MO	TORIST'S VIEW O	F THE CROSSI	NG WAS RESTRICTED BY TREES,	BRUSH, ANI	O A STORAGE TA	NK.
				·			
	12/04/80 3:35 AM NEW MIAMI		OH	DERAILMENT	0	1 .	\$772,900
		***					
	TYPE OF TRACK:	MAIN				`¬	
	CLASS OF TRACK:	MAIN 4					
	METHOD OF OPERATION:	TRAFFIC CONTRO	L,	MOVEMENTS INVOLVED: FREIG	HT TRAIN	ADIX	38 MPH
	·	TRAIN ORDERS				****	
	EQUIPMENT DERAILED:	23 CAR(S)				•	

R CODE	DATE	TIME	CITY		STATE	ACCIDENT	ТҮРЕ	KILLED	INJURED	RR DAMAGE
CR	12/08/80	3:05 PM	SYRACUSE		NY	REAR-END	COLLISION	1	1	\$14,703
	TYPE OF T		•	MAIN						
.24	CLASS OF METHOD OF	TRACK: OPERATION	:	TRAFFIC CONTRO	DL.	MOVEMENTS	INVOLVED:	LIGHT LOCO(S) WORK TRAIN	X2949 X1174	35 MPH 10 MPH
	EQUIPMENT	DERAILED:		1 CAR(S)						
	PROBABLE			OMPLY WITH CARE		BY ALLOWING A	TRAIN MOV	EMENT (EXTRA 2949	WEST) TO F	OLLOW TRACK CA
вм	12/15/80	6:45 PM	MANCHESTE	ER	NH	RAIL-HWY	CROSSING	· 2	2	\$9,798
	TYPE OF T	RACK: TRACK:		MAIN 3		٠.				
25	METHOD OF	OPERATION:		INTERLOCKING AUTOMATIC BLOC TIME TABLE	ĸ	MOVEMENTS	INVOLVED:	PASSENGER TRAIN	33	40 мрн
	EQUIPMENT	DERAILED:		TRAIN ORDERS 1 LOCOMOTIVE	UNIT(S)	•				
	PROBABLE (	CAUSE: FAI	ILURE OF T	HE MOTORIST TO	STOP AT THI	E CROSSING UNI	IL THE TR	AIN PASSED.		
	CONTRIBUT	ING FACTOR:	: THE PO	SSIBLE USE OF A	LCOHOL BY	THE MOTORIST M	IAY HAVE C	ONTRIBUTED TO THE	ACCIDENT.	· 
IP	12/16/80	10:10 AM	ALIX		AR ,	DERAILMEN	IT	0	0	\$133,350
	CLASS OF T	RACK: TRACK:		MAIN 4						
6	METHOD OF	OPERATION: DERAILED:		AUTOMATIC BLOC 18 CAR(S)	K	MOVEMENTS	INVOLVED:	FREIGHT TRAIN	X6071	32 MPH
	PROBABLE (	CAUSE: BRA	AKES WERE	APPLIED IN EMER	GENCY RESUI	TING IN SLACK	ACTION.			
	, ·	, ,								

RR CODE	DATE	TIME	CITY		STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP	12/28/80	03:05 PM	CLIVE		UT	DERAILMENT	0	0	\$634,000
127	CLASS OF METHOD OF	RACK: TRACK: OPERATION DERAILED:	i <b>:</b>	MAIN 4 TRAFFIC CONTROL 53 CAR(S)		MOVEMENTS INVOLVED: I	FREIGHT TRAIN	X3546	60 MPH
	PROBABLE	CAUSE: EX	CESSIVE	SPEED.					
	CONTRIBUT	ING FACTOR				E WERE MISSING FROM THE N WAS OPERATED ABOUT 15			
	·			TER CALCULATED INA	T THE TRAI	N WAS OFERALED ABOUT 15	THE OVER THE S.		
SIRC	12/29/80	8:03 AM	STATEN	ISLAND	NY	OBSTRUCTION	0	57	\$6,049
128	CLASS OF METHOD OF		·:	YARD 1 INTERLOCKING AUTOMATIC BLOCK		MOVEMENTS INVOLVED: 1	PASSENGER TRAIN	619	4 мрн
		DERAILED:		NONE					
	PROBABLE			CREW TO PROPERLY	CONTROL TH	E TRAIN'S MOVEMENT INTO	THE ASSIGNED T	RACK AT THE PA	
		TE	RMINAL.	-					ASSENGER
NW	12/29/80	8:50 AM	4.	·	VA	HEAD-END COLLISION			\$915,993
 NW 129	TYPE OF T	8:50 AM	SINGER	MAIN 4 INTERLOCKING TRAFFIC CONTROL		MOVEMENTS INVOLVED: 1	O FREIGHT TRAIN	5	\$915,993 22 MPH

RR CODE	DATE	TIME	CITY	~~~~~	STATE	ACCIDENT TYPE	KILLED	INJURED	RR	DAMAGE
BN SLSF	12/30/80	11:40 AM	REPUBLIC		мо	DERAILMENT	0	0 .		\$5,500
130				MAIN 4 TRAFFIC CONTROL TIME TABLE TRAIN ORDERS 4 LOCOMOTIVE U 1 CAR(S)	NIT(S)	MOVEMENTS INVOLVED: FREIG	HT TRAIN	EX730		15 МРН
	PROBABLE	CAUSE: FA	LURE OF T	RAIN DISPATCHER T	O PROTECT MA	AINTENANCE-OF-WAY CREW.				
	CONTRIBUT	ING FACTOR				ICE FOR PROTECTION OF TRAC H A SECTION OF RAIL WAS RE		ALSE PROCEED S	IGNA	L WAS

U.S. Department of Transportation

## Federal Railroad Administration

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